

GenCore version 5.1.3
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OM nucleic - protein search, using frame_plus.n2p model

Run on: April 21, 2003, 11:34:28 ; Search time 7.07143 Seconds

(without alignments)
2496.490 Million cell updates/sec

Title: US-09-049-695A-25

Perfect score: 540
Sequence: 1 GCCCATCTGCTCCAGCAGCAC.....CCCACTGACAAATAAAC 300

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 262574 segs, 29422922 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-DB=Issued_Patents_AA -QFMT=fastan -SUFITX=n2p.ra1 -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=biosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
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-USER=US09049695.ecgn1.1.50.@runat_15042003_094611_25664 -NCPU=6 -ICPU=3
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-NARN_TIMECUT=30 -THREDS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

1: Issued_Patents_AA:*
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3: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/6C.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	368	68.1	151	2	US-08-815-175-1 Sequence 1, Appl
2	127	23.5	149	2	US-08-815-175-3 Sequence 3, Appl
3	116.5	21.6	1442	2	US-08-316-650-12 Sequence 12, Appl
4	116.5	21.6	1442	5	PCT-US95-02251-12 Sequence 12, Appl
5	115.5	21.4	1060	3	US-08-931-820-3 Sequence 3, Appl
6	115.5	21.4	1418	3	US-08-963-825-20 Sequence 20, Appl
7	115.5	21.4	1418	4	US-09-010-999-1 Sequence 1, Appl
8	115.5	21.4	1418	4	US-09-500-811-20 Sequence 20, Appl
9	115.5	21.4	1418	4	US-09-570-573-20 Sequence 20, Appl
10	115.5	21.4	1418	4	US-09-548-608-20 Sequence 20, Appl
11	112.5	20.8	1057	3	US-08-931-820-4 Sequence 4, Appl
12	112.5	20.8	1057	3	US-08-963-825-21 Sequence 21, Appl

13	112.5	20.8	1078	4	US-09-500-811-21 Sequence 21, Appl
14	112.5	20.8	1078	4	US-09-570-573-21 Sequence 21, Appl
15	112.5	20.8	1078	4	US-09-548-608-21 Sequence 21, Appl
16	111.5	20.0	561	1	US-08-642-255-52 Sequence 52, Appl
17	111.5	20.0	777	1	US-08-642-255-53 Sequence 53, Appl
18	111.5	20.6	960	4	US-09-219-849-5 Sequence 5, Appl
19	111.5	20.6	330	1	US-08-642-255-32 Sequence 32, Appl
20	111	20.6	408	1	US-07-609-716-65 Sequence 65, Appl
21	111	20.6	408	4	US-08-475-411A-65 Sequence 65, Appl
22	111	20.6	408	4	US-08-478-029A-65 Sequence 65, Appl
23	111	20.6	682	1	US-08-642-255-126 Sequence 126, Appl
24	110.5	20.6	682	1	US-08-397-633A-36 Sequence 36, Appl
25	110.5	20.5	357	1	US-07-609-716-66 Sequence 66, Appl
26	110.5	20.5	357	1	US-08-642-255-33 Sequence 33, Appl
27	110.5	20.5	357	4	US-08-475-411A-66 Sequence 66, Appl
28	110.5	20.5	357	4	US-08-478-029A-66 Sequence 66, Appl
29	110	20.4	228	4	US-09-219-849-38 Sequence 38, Appl
30	109	19.6	504	4	US-09-219-849-3 Sequence 3, Appl
31	109	19.6	720	4	US-09-219-849-4 Sequence 4, Appl
32	109	20.2	761	2	US-08-707-237A-84 Sequence 84, Appl
33	109	20.2	762	1	US-08-642-255-114 Sequence 114, Appl
34	109	20.2	762	1	US-08-397-633A-26 Sequence 26, Appl
35	108	20.0	471	2	US-08-399-889-24 Sequence 24, Appl
36	108	20.0	471	3	US-09-167-364-24 Sequence 24, Appl
37	108	20.0	471	4	US-09-439-897-2 Sequence 2, Appl
38	108	20.0	762	1	US-08-642-255-120 Sequence 120, Appl
39	108	20.0	762	1	US-08-397-633A-31 Sequence 31, Appl
40	108	19.4	1064	1	US-08-642-255-62 Sequence 62, Appl
41	106.5	19.7	1057	3	US-08-931-820-1 Sequence 1, Appl
42	106	19.0	144	1	US-08-642-255-49 Sequence 49, Appl
43	106	19.0	234	1	US-08-642-255-51 Sequence 51, Appl
44	106	19.0	1057	3	US-08-931-820-1 Sequence 1, Appl
45	106	19.0	1341	3	US-08-963-825-18 Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-815-175-1
Sequence 1, Application US/0805175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANTU02
CLONE: 2235738
US-08-815-175-1

Alignment Scores:
Pred. No.: 1.9e-28 Length: 151
Score: 368.00 Matches: 67
Percent Similarity: 98.53% Conservative: 0
Best Local Similarity: 98.53% Mismatches: 1
Query Match: 68.15% Indels: 0
DB: 2 Gaps: 0

US-09-049-695A-25 (1-300) x US-08-815-175-1 (1-151)

QY 3 CCATNCTCCAGCAGCAGCCTGATGAGACGACGACCCCTGGCGTGCTCTG 62
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Db 84 Protleleuproglythrlysalatrpmetglutrhgluaspthrleuglyarvalleu 103
QY 63 AGTCCCGAGCCGACCATGACAGCCTGTACACCTCCGNCCTGAGAGGACGAGCGCAG 122
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Db 104 Serprogluproasphtaspserrleutyrlsproprom***glugluaspoinglylu 123
QY 123 GAGAGCGCCCGCTTGCTGGTGTGATGCCAATCAGCAGGTGCTCCTGGAGCGGAGAGAG 182
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Db 124 Gluargproalglyleutryvalmetrproasnhtsglnvalleuuglyprogluinsp 143
QY 183 CAGACGACATNTACCAACCCAG 206
|||||
Db 144 Gluasphts***tyrglnproglu 151

RESULT 2
US-08-815-175-3
Sequence 3, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815.175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 899433
US-08-815-175-3

Alignment Scores:
Pred. No.: 5.97e-05 Length: 149
Score: 127.00 Matches: 29
Percent Similarity: 56.25% Conservative: 7
Best Local Similarity: 45.31% Mismatches: 24
Query Match: 23.52% Indels: 4
DB: 2 Gaps: 1

US-09-049-695A-25 (1-300) x US-08-815-175-3 (1-149)

QY 12 CCAGGACCAAGCGCTGATGAGACGAGACACCTGCGCTGCTGAGT----- 65
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Db 78 ProaspalmetrtrprvalglutrhclunspilleuaserhtsleuargserProleu 97
QY 66 -----CCGAGCCCGACCATGACAGCCTGTACACCTCCGNCCTGAGAGGACGAGCGC 119
|||||
Db 98 Glnglyprogluasphtaspserrleutyrlsproprometseraspaspvalgluasp 117
QY 120 GAGGAGAGCGCCCGCTTGCTGGTGTGATGCCAATCAGCAGGTGCTCCTGGAGCGGAGAA 179
|||
Db 118 Glucluvallproglinserrargprotleleutyrrarglnvalleuuglyproglucln 137
QY 180 GACCAAGACAC 191
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Db 138 Aspleuasphts 141

RESULT 3
US-08-316-650-12
Sequence 12, Application US/08316650
Patent No. 5942496
GENERAL INFORMATION:
APPLICANT: Bonadio, Jeffrey
APPLICANT: Roessler, Blake J.
APPLICANT: Goldstein, Steven A.
APPLICANT: Lin, Wushan
TITLE OF INVENTION: METHODS AND COMPOSITIONS
FOR STIMULATING BONE CELLS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/316.650
FILING DATE: 30-SEP-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/199,780
FILING DATE: 30-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UMIC:008
TELECOMMUNICATION INFORMATION:

TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
TISSUE TYPE: Collagen type II
US-08-931-820-3

Alignment Scores:
Pred. No.: 0.00094 Length: 1060
Score: 115.50 Matches: 38
Percent Similarity: 38.53% Conservative: 4
Best Local Similarity: 34.86% Mismatches: 27
Query Match: 21.39% Indels: 40
DB: 3 Gaps: 6

US-09-049-695a-25 (1-300) x US-08-931-820-3 (1-1060)

QY 23 GGCTGATGATGAGACCGAGACACCTGGGCGGTG----- 58
DB 830 G1yAlaSerG1yAspArgG1yProProG1yProValG1yProProG1yLeuThrG1yPro 849
QY 59 -----CCTGAGTCCCGAGCCCGACCATGACAGCCTGTACCACTCCGCTGAGAGA 109
DB 850 Alag1yGluProG1yArgG1yGluG1ySerProG1yAlaAspG1yProProG1yArgAspG1y 869
QY 110 GGACGAGG-----CGAGAGAGGCGCCGGTGTGGTGATGCCAAATCAGCA 157
DB 870 AlaAlaG1yValG1yG1yAspArgG1yGluThrG1yAlaValG1y-----AlaPro 886
QY 158 GGTGCTCTGGGAGCGGAGAGACCAAGACCATNTACCAAC----- 202
DB 887 G1yAlaProG1yProProG1ySerProG1yProAlaG1yProThrG1yLysG1yGlnG1yAsp 906
QY 203 -----CCAGTAGGAGNTTCAGGGGCGCATNAGTGNCCCGCGCTGTCCAGGCCAGGTG 256
DB 907 ArgG1yGluAlaG1yAlaG1yGlnG1yPro---MetG1yProSer---G1yProAlaG1yAla 924
QY 257 TTNGATTGGACCTTCCTACCTGCC 283
DB 925 ArgG1yIleGlnG1yProGlnG1yPro 933

RESULT 6
US-08-963-825-20
Sequence 20, Application US/08963825
Patent No. 6110689
GENERAL INFORMATION:
APPLICANT: Qvist, Per
APPLICANT: Bonde, Martin
TITLE OF INVENTION: A Method for Assaying Collagen Fragments
TITLE OF INVENTION: In Body Fluids, A Test Kit and Means for Carrying Out the
TITLE OF INVENTION: Method and Use of the Method to Diagnose the Presence of
TITLE OF INVENTION: Disorders Associated with the Metabolism of
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/963,825
FILING DATE:
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/187,319
FILING DATE: 21-JAN-1994

ATTORNEY/AGENT INFORMATION:
NAME: Gogoris, Adda C
REGISTRATION NUMBER: 29,714
REFERENCE/DOCKET NUMBER: 4305/08701
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: COLLAGEN -ALPHA 1 (II)
US-08-963-825-20

Alignment Scores:
Pred. No.: 0.000964 Length: 1418
Score: 115.50 Matches: 38
Percent Similarity: 38.53% Conservative: 4
Best Local Similarity: 34.86% Mismatches: 27
Query Match: 21.39% Indels: 40
DB: 3 Gaps: 6

US-09-049-695a-25 (1-300) x US-08-963-825-20 (1-1418)

QY 23 GGCTGATGATGAGACCGAGACACCTGGGCGGTG----- 58
DB 942 G1yAlaSerG1yAspArgG1yProProG1yProValG1yProProG1yLeuThrG1yPro 961
QY 59 -----CCTGAGTCCCGAGCCCGACCATGACAGCCTGTACCACTCCGCTGAGAGA 109
DB 962 Alag1yGluProG1yArgG1yGluG1ySerProG1yAlaAspG1yProProG1yArgAspG1y 981
QY 110 GGACGAGG-----CGAGAGAGGCGCCGGTGTGGTGATGCCAAATCAGCA 157
DB 982 AlaAlaG1yValG1yG1yAspArgG1yGluThrG1yAlaValG1y-----AlaPro 998
QY 158 GGTGCTCTGGGAGCGGAGAGACCAAGACCATNTACCAAC----- 202
DB 999 G1yAlaProG1yProProG1ySerProG1yProAlaG1yProThrG1yLysG1yGlnG1yAsp 1018
QY 203 -----CCAGTAGGAGNTTCAGGGGCGCATNAGTGNCCCGCGCTGTCCAGGCCAGGTG 256
DB 1019 ArgG1yGluAlaG1yAlaG1yGlnG1yPro---MetG1yProSer---G1yProAlaG1yAla 1036
QY 257 TTNGATTGGACCTTCCTACCTGCC 283
DB 1037 ArgG1yIleGlnG1yProGlnG1yPro 1045

RESULT 7
US-09-010-999-1
Sequence 1, Application US/09010999
Patent No. 6132976
GENERAL INFORMATION:
APPLICANT: Poole, Anthony R.
APPLICANT: Hollander, Anthony P.
APPLICANT: Billingham, R. C.
TITLE OF INVENTION: IMMUNOASSAYS FOR THE MEASUREMENT OF
TITLE OF INVENTION: COLLAGEN DENATURATION AND CLEAVAGE IN CARTILAGE
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:


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Db      962 AlaGlyGluProGlyArgGlyGlySerProGlyAlaIaspGlyProProGlyArgAspGly 981
Qy      110 GGACACAGG-----CGAGACAGGCCCCGGTGTGGTGATGCAANTACCA 157
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Db      982 AlaAlaGlyAlaIysGlyAspArgGlyGluThrGlyAlaValGly-----AlaPro 998
Qy      158 GGTGCTCTCTGGACCGAGAGACCAAGACCATTTACCAAC----- 202
      |||
      |||
Db      999 GlyAlaProGlyProProGlySerProGlyProAlaGlyProThrGlyGlyGlyAsp 1018
Qy      203 -----CGATGAGGAGNTTCAGGGCCCATMAGTNCGCCCGCTGTTCAAGGCCCAAGTG 256
      |||
      |||
Db      1019 ArgGlyGlyAlaGlyAlaGlyGlyPro---MetGlyProSer---GlyProAlaGlyAla 1036
Qy      257 TTNGATGTGACCTTCTCAACCTGCCC 283
Db      1037 ArgGlyIleGlyGlyProGlyGlyPro 1045

RESULT 10
US-09-548-608-20
: Sequence 20, Application US/09548608
: Patent No. 6355442
: GENERAL INFORMATION:
: APPLICANT: Ovst, Per
: APPLICANT: Bonde, Martin
: TITLE OF INVENTION: A Method for Assaying Collagen Fragments
: TITLE OF INVENTION: In Body Fluids, A Test Kit and Means for Carrying Out the
: TITLE OF INVENTION: Method and Use of the Test Kit to Diagnose the Presence of
: TITLE OF INVENTION: Disorders Associated with the Metabolism of
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Darby & Darby PC
: STREET: 805 Third Avenue
: CITY: New York
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/548,608
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/187,319
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Gogoris, Adda C
: REGISTRATION NUMBER: 29,714
: REFERENCE/DOCKET NUMBER: 4305/08701
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-527-7700
: TELEFAX: 212-753-6237
: TELEX: 236687
: INFORMATION FOR SEQ ID NO: 20:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1418 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: IMMEDIATE SOURCE:
: CLONE: COLLAGEN -ALPHA 1 (II)
US-09-548-608-20

Alignment Scores:
Pred. No.: 0.000964 Length: 1418
Score: 115.50 Matches: 38
Percent Similarity: 38.53% Conservative: 4

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Best Local Similarity: 34.86% Mismatches: 40
Query Match: 21.39% Indels: 27
DB: 4 Gaps: 6

US-09-049-695a-25 (1-300) x US-09-548-608-20 (1-1418)

QY 23 GGCCTGATGAGACCGAGACACCTGGGCGCTG----- 58
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QY 59 -----CTGAGTCCCGAGCCGACCATGACACCTGTACCCCTCCGCTGAGGA 109
||| ||| ||||| |||||
DB 962 AlAGlyLProGlyArgGlyGlySerProGlyAlaAspGlyProProGlyArgAspGly 981
QY 110 GAGCAGG-----CGAGGAGAGCCCGCTGTGCTGATGCAATACCA 157
||| ||||| ||||| |||||
DB 982 AlAlAGlyVallyLysGlyAspArgGlyGlyThrGlyAlaValGly-----AlaPro 998
QY 158 GGTGCTCTGGAGCCGAGAGACCAACACCATATACCAAC----- 202
||||| ||||| ||| ||| |||||
DB 999 GYAlaProGlyProProGlySerProGlyProAlaGlyProThrGlyLysGlnGlyAsp 1018
QY 203 -----CCAGTAGGATTAGGGCCATNAGTGNCCCGCTGTTCCAGGCCAGGTG 256
||| ||||| ||| ||| |||||
DB 1019 ArgGlyGlyAlaGlyAlaGlnGlyPro---MetGlyProSer---GlyProAlaGlyAla 1036
QY 257 TTNGATGAGACCTCTAACCCTGCCC 283
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DB 1037 ArgGlyIleGlnGlyProGlnGlyPro 1045

RESULT 11

US-08-931-820-4
; Sequence 4, Application US//08931820
; Patent No. 6010863
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Assay for collagen degradation
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/931,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96202596.1
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1057 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; TISSUE TYPE: Collagen type III
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1055
; OTHER INFORMATION: /label= Modified
; OTHER INFORMATION: /note= "Ala may be Pro"
US-08-931-820-4

Alignment Scores:
Pred. No.: 0.00184 Length: 1057
Score: 112.50 Matches: 37
Percent Similarity: 33.33% Conservative: 6
Best Local Similarity: 28.68% Mismatches: 49

Query Match: 20.83% Indels: 37
DB: 3 Gaps: 5

US-09-049-695a-25 (1-300) x US-08-931-820-4 (1-1057)

QY 2 CCCCATTCTTCAGAGACCAAGGCTGATGAGAGACGAGACACCTGGGCG----- 55
||| ||||| ||||| |||||
DB 133 ProGlyLeuLysGlyLysGlnGlyLysGlnGlyProGlyGlnAsnGlyAlaProGlyProMetGly 152
QY 56 -----TGTCTGAGTCCGAGCCCA----- 76
||| ||| |||||
DB 153 ProArgGlyAlaProGlyGlnArgGlyArgProGlyLeuProGlyAlaAlaGlyAlaArg 172
QY 77 -----CAATGACAGCTGTACCCCTCCGNC 103
||| ||| |||||
DB 173 GYAsnAspGlyAlaArgGlySerAspGlyGlnProGlyProProGlyProProGlyThr 192
QY 104 TGAGAGAGACCAAGG-----CGAGGAGAGCCCGCTGTGCTGATGCCAA 151
||| ||||| |||||
DB 193 AlAGlyPheProGlySerProGlyAlaLysGlyValGlyProAlaGlySerProGly 212
QY 152 TCACAGAGTCTCTGGAGCCGAGAGACCAAGACCATATACCAACCCAGTAGG 211
||| ||||| ||||| |||||
DB 213 SerAsnGlyAlaProGlyGlnArgGlyGlnProGlyProGlnGly-----HisAlaGly 230
QY 212 NTTCAGAGGACCATNAGTGNCCCGCTGTTC-----AAGGCCAGGTG 256
||||| ||| |||
DB 231 AlAGlnGlyProProGlyProProGlyIleAsnGlySerProGlyLysGlyGlnMet 250
QY 257 TTNGATGAGACCTCTAACCCTGCCC 283
||| ||| ||| |||
DB 251 GlyProAlaGlyIleProGlyAlaPro 259

RESULT 12

US-08-963-825-21
; Sequence 21, Application US//08963825
; Patent No. 6110689
; GENERAL INFORMATION:
; APPLICANT: Ovis, Per
; TITLE OF INVENTION: A method for Assaying Collagen Fragments
; TITLE OF INVENTION: In Body Fluids, A Test Kit and Means for Carrying Out the
; TITLE OF INVENTION: Method and use of the Method to Diagnose the Presence of
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/963,825
; FILING DATE:
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/187,319
; FILING DATE: 21-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gogoris, Adda C
; REGISTRATION NUMBER: 29,714
; REFERENCE/DOCKET NUMBER: 4305/08701
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-527-7700
; TELEFAX: 212-753-6237
; TELEFAX: 236687
; INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:
LENGTH: 1078 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: COLLAGEN ALPHA 1 (III)
US-08-963-825-21

Alignment Scores:
Pred. No.: 0.00185 Length: 1078
Score: 112.50 Matches: 37
Percent Similarity: 33.33% Conservative: 6
Best Local Similarity: 28.68% Mismatches: 49
Query Match: 20.83% Indels: 37
DB: 3 Gaps: 5

US-09-049-695a-25 (1-300) x US-08-963-825-21 (1-1078)

QY 2 CCCCATNCTTCCAGGACACCGCCCTGGATGGAGACCGACACCTGGGCCG----- 55
Db 134 ProGlyLeuLysGlyGlyAsnGlyLeuProGlyGlyAsnGlyAlaProGlyPrometGly 153
QY 56 -----TGCTCGAGTCCCGAGCCGA----- 76
Db 154 ProArGlyAlaProGlyGlyLeuArGlyArProGlyLeuProGlyAlaAlaGlyAlaArG 173
QY 77 -----CCATGACAGCCGTGTACCAACCCCTGCCGNC 103
Db 174 GlyAsnAspGlyAlaArGlySerAspGlyGlnProGlyProProGlyProProGlyThr 193
QY 104 TGAGAGAGACGAGG-----CGAGAGAGAGCCCGCGTGTGGTGATGCCAAA 151
Db 194 AlaGlyPheProGlySerProGlyAlaLysGlyValGlyProAlaGlySerProGly 213
QY 152 TCACCAAGTGTCTGGGAGCGGAGAGACCAACCATNTACCAACCCCACTAGG 211
Db 214 SerAsnGlyAlaProGlyGlnArGlyGlnProGlyProGlyngly-----HisAlaGly 231
QY 212 NTTCAGGGCCCATNAGTGNCCCGCGCTGTTC-----AAGGCCAGGNG 256
Db 232 AlaGlnGlyProProGlyProProGlyLysGlnGlySerProGlyGlyLysGlyLumet 251
QY 257 TTNGATTGACCTTCTACCTGCC 283
Db 252 GlyProAlaGlyLeuProGlyAlaPro 260

RESULT 13
US-09-500-811-21
Sequence 21, Application US/09500811
Patent No. 632314
GENERAL INFORMATION:
APPLICANT: Ovist, Per
APPLICANT: Bonde, Martin
TITLE OF INVENTION: A Method for Assaying Collagen Fragments
TITLE OF INVENTION: In Body Fluids, A Test Kit and Means for Carrying Out the
TITLE OF INVENTION: Method and use of the Method to Diagnose the Presence of
TITLE OF INVENTION: Disorders Associated with the Metabolism of
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500.811
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/187,319
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gogoris, Adda C
REGISTRATION NUMBER: 29,714
REFERENCE/DOCKET NUMBER: 4305/08701
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 1078 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: COLLAGEN ALPHA 1 (III)
US-09-500-811-21

Alignment Scores:
Pred. No.: 0.00185 Length: 1078
Score: 112.50 Matches: 37
Percent Similarity: 33.33% Conservative: 6
Best Local Similarity: 28.68% Mismatches: 49
Query Match: 20.83% Indels: 37
DB: 4 Gaps: 5

US-09-049-695a-25 (1-300) x US-09-500-811-21 (1-1078)

QY 2 CCCCATNCTTCCAGGACACCGCCCTGGATGGAGACCGACACCTGGGCCG----- 55
Db 134 ProGlyLeuLysGlyGlyAsnGlyLeuProGlyGlyAsnGlyAlaProGlyPrometGly 153
QY 56 -----TGCTCGAGTCCCGAGCCGA----- 76
Db 154 ProArGlyAlaProGlyGlyLeuArGlyArProGlyLeuProGlyAlaAlaGlyAlaArG 173
QY 77 -----CCATGACAGCCGTGTACCAACCCCTGCCGNC 103
Db 174 GlyAsnAspGlyAlaArGlySerAspGlyGlnProGlyProProGlyProProGlyThr 193
QY 104 TGAGAGAGACGAGG-----CGAGAGAGAGCCCGCGTGTGGTGATGCCAAA 151
Db 194 AlaGlyPheProGlySerProGlyAlaLysGlyValGlyProAlaGlySerProGly 213
QY 152 TCACCAAGTGTCTGGGAGCGGAGAGACCAACCATNTACCAACCCCACTAGG 211
Db 214 SerAsnGlyAlaProGlyGlnArGlyGlnProGlyProGlyngly-----HisAlaGly 231
QY 212 NTTCAGGGCCCATNAGTGNCCCGCGCTGTTC-----AAGGCCAGGNG 256
Db 232 AlaGlnGlyProProGlyProProGlyLysGlnGlySerProGlyGlyLysGlyLumet 251
QY 257 TTNGATTGACCTTCTACCTGCC 283
Db 252 GlyProAlaGlyLeuProGlyAlaPro 260

RESULT 14
US-09-570-573-21
Sequence 21, Application US/09570573
Patent No. 6342361
GENERAL INFORMATION:
APPLICANT: Ovist, Per
APPLICANT: Bonde, Martin
TITLE OF INVENTION: A Method for Assaying Collagen Fragments


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OY 56 -----TGCTGAGTCCCGAGCCGA----- 76
Db 154 ProArgGlyAlaProGlyGluArgGlyArgProGlyLeuProGlyAlaAlaGlyAlaArg 173
OY 77 -----CCATGACAGCCCTGTACCAACCCCTCCGNC 103
Db 174 GlyAsnAspGlyAlaArgGlySerAspGlyGlnProGlyProGlyProGlyProGlyThr 193
OY 104 TGAGGAGGAGCCAGG-----CGAGGAGAGGCCCGGTGTGTGATGCACAA 151
Db 194 AlaGlyPheProGlySerProGlyAlaAlaGlyGluValGlyProAlaGlySerProGly 213
OY 152 TCACCAAGTCTCTCGGAGCGAGAGAACCAAGACCAATNTACCAACCCCACTAGGG 211
Db 214 SerAsnGlyAlaProGlyGlnArgGlyGluProGlyProGlyGly-----HisAlaGly 231
OY 212 NTTCAGGGGCCATNAGTGNCCCCGCGCTGCC-----AAGGCCAGGTG 256
Db 232 AlaGlnGlyProProGlyProProGlyTlleAsnGlySerProGlyGlyLysGlyGlnMet 251
OY 257 TTNGGATTGGACTTCTTACCTGCCC 283
Db 252 GlyProAlaGlyIleProGlyAlaPro 260
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Search completed: April 21, 2003, 13:27:16
Job time : 9.07143 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - protein search, using frame_plus.n2p model

Run on: April 21, 2003, 11:34:28 ; Search time 7.92 Seconds
(without alignments)
2496.490 Million cell updates/sec

Title: US-09-049-695A-24

Perfect score: 621
Sequence: 1 GGACAGTGCATCCACGAC.....GAGGAGAGCCCGGTTGTG 336

Scoring table:
BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-O=/cgn2_1/USPRO/spool/US09049695/runat_15042003_094611_25684/app_query.fasta_1.2211
-DB-Issued Patents_AA -QFMT=fastan -SUFFIX=n2p.ra1 -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALLIGN=200 -THR.SCORE=pct -THR.MAX=100 -THR.MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-USER=US09049695 @CGN1.1.50.@runat_15042003_094611_25684 -NCPU=6 -ICPU=3
-NO.XLPXY -NO.WMAP -LARGEQUERY -NEG.SCORES=0 -WAIT -LONGLOG -DEV.TIMEOUT=120
-WARN.TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	598	96.3	151	2	US-08-815-175-1
2	205.5	33.1	149	2	US-08-815-175-3
3	113.5	18.3	1057	3	US-08-931-820-4
4	110	17.1	1060	3	US-08-931-820-3
5	110	17.1	1418	3	US-08-963-825-20
6	110	17.1	1418	4	US-09-010-999-1
7	110	17.1	1418	4	US-09-500-811-20
8	110	17.1	1418	4	US-09-570-573-20
9	110	17.1	1418	4	US-09-548-608-20
10	108	17.4	696	4	US-08-906-865-4
11	108	17.4	696	4	US-09-129-668-4
12	107	16.6	1064	1	US-08-642-255-62

Result No.	Score	Query Match	Length	ID	Description
13	106	16.5	960	4	US-09-219-849-5
14	105.5	17.0	1078	3	US-08-963-825-21
15	105.5	17.0	1078	4	US-09-500-811-21
16	105.5	17.0	1078	4	US-09-570-573-21
17	105.5	17.0	1078	4	US-09-548-608-21
18	104.5	16.2	504	4	US-09-219-849-3
19	104.5	16.2	561	1	US-08-642-255-52
20	104.5	16.2	720	4	US-09-219-849-4
21	104.5	16.2	777	1	US-08-642-255-53
22	104	16.1	1442	2	US-08-316-650-12
23	104	16.1	1442	5	PCR-US95-02251-12
24	103	16.0	1057	3	US-08-931-820-4
25	102.5	15.9	552	4	US-09-219-849-7
26	102.5	15.9	960	4	US-09-219-849-6
27	101.5	16.3	623	4	US-09-029-348-3
28	101.5	16.3	626	4	US-09-029-348-2
29	97.5	15.1	412	4	US-09-027-064-4
30	97.5	15.1	412	4	US-09-271-815-4
31	97	15.6	318	4	US-09-199-637A-4
32	96.5	15.0	449	1	US-08-102-942A-4
33	96.5	15.0	449	4	US-09-037-179B-4
34	96.5	15.5	932	4	US-09-071-035-416
35	96.5	15.5	969	4	US-09-071-035-414
36	96	15.5	1461	4	US-09-585-887-9
37	96	15.5	1461	4	US-09-289-578-9
38	95.5	14.8	166	4	US-09-297-269-61
39	95.5	14.8	543	4	US-09-535-008-63
40	95.5	14.8	577	4	US-09-535-008-61
41	95.5	15.4	1057	3	US-08-931-820-1
42	95.5	15.4	1341	3	US-08-963-825-18
43	95.5	15.4	1341	4	US-09-500-811-18
44	95.5	15.4	1341	4	US-09-570-573-18
45	95.5	15.4	1341	4	US-09-548-608-18

ALIGNMENTS

RESULT 1
US-08-815-175-1
Sequence 1, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANTU02
CLONE: 2235738
US-08-815-175-1

Alignment Scores:
Pred. No.: 4.21e-46 Length: 151
Score: 598.00 Matches: 110
Percent Similarity: 99.10% Conservative: 0
Best Local Similarity: 99.10% Mismatches: 1
Query Match: 96.30% Indels: 0
DB: 2 Gaps: 0

US-09-049-695a-24 (1-336) x US-08-815-175-1 (1-151)

QY 2 GCAGGTGCGAGTCCGAGCAGCCAGGTCCTATCAAGATGACAACTGGCCCTCA 61
|||
Db 18 AlaglyAlaValProAlaProLysValProLysMetGlnValLysHisTrpProSer 37
QY 62 GAGCAGGACCCAGAGAGAGGCGCTGGGGCGCCGTGTGTGGAGCTCCGAGAGAGAGCAG 121
|||
Db 38 GlnGlnAspProGlnLysAlaTrpGlyAlaArgValAlaGlnProProGlnLysAsp 57

QY 122 CAGCTGGGCGTGTCTCCCTGTCAGAGCGCAACTCTGACACCGAGAGAGAGCA 181
|||
Db 58 GlnLeuValValLeuPheProValGlnLysProLysLeuThrThrGlnLysPro 77

QY 182 CGAGGTGAGGCGAGGGGCCCATCTTCAGAGCACCAAGGCGTATGAGAGCGAGAGC 241
|||
Db 78 ArgGlyGlnGlyArgGlyProLysLeuProGlyThrLysAlaTrpMetGlnThrGlnLys 97

QY 242 ACCCTGGCGCGTCTCTGAGTCCGAGCGCCAGCATGACACCTGTACACCTCCGCT 301
|||
Db 98 ThrLeuGlyArgValLeuSerProGlnProAspHisSerLeuYrHisProPro*** 117

QY 302 GAGCAGGACCCAGGCGAGAGAGAGCGCCGGTTG 334
|||
Db 118 GlnGlnAspGlnGlnGlnGlnArgProArgLeu 128

RESULT 2
US-08-815-175-3
Sequence 3, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Genbank
CLONE: 899433
US-08-815-175-3

Alignment Scores:
Pred. No.: 5.75e-11 Length: 149
Score: 205.50 Matches: 49
Percent Similarity: 53.51% Conservative: 12
Best Local Similarity: 42.98% Mismatches: 40
Query Match: 33.09% Indels: 13
DB: 2 Gaps: 2

US-09-049-695a-24 (1-336) x US-08-815-175-3 (1-149)

QY 2 GCAGGTGCGAGTCCGAGCAGCCAGGTCCTATCAAGATGACAACTGGCCCTCA 61
|||
Db 18 AlaglyAlaValProAlaHisGlnValProValLysThrLysGlyLysHisValPhePro 37

QY 62 GAGCAGGACCCAGAGAGAGGCGCTGGGGCGCCGTGTGTGGAGCTCCGAGAGAGAGCAG 121
|||
Db 38 GlnGlnGlnThrGlnLysValTrpAspThrArgAlaLeuGlnProLeuGlnLysAspAsn 57

QY 122 CAGCTGTGTGCTGTCTCCCTGTCAGAGCGCAACTCTTGACACCGAGAGAGCA 181
|||
Db 58 GlnLeuGlyProLeuLeuProGlnProLysGlnLysProAlaAlaGlnGlnLys--- 76

QY 182 CGAGGTGAGGCGAGGGGCCCATCTTCAGAGCACCAAGGCGTATGAGAGAGAGCAG 241
|||
Db 77 -----ArgProAspAlaMetThrTrpValGlnThrGlnLys 88

QY 242 ACCCTGGCGCGTGTCTGAGT-----CCGAGCGCCGACCATGACAGCTGTAC 289
|||
Db 89 IleLeuSerHisLeuArgSerProLeuGlnGlyProGlnLeuAspLeuAspSerIleAsp 108

QY 290 CACCTCCGCGCTGAGAGAGAGGCGGAGAGAGGCGCCGG 331
|||
Db 109 HisProMetSerAspAspValGlnAspGlnGlnValProGln 122

RESULT 3
US-08-931-820-4
Sequence 4, Application US/08931820
Patent No. 6010863
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Assay for collagen degradation
NUMBER OF SEQUENCES: 4
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/931,820
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96202596.1
FILING DATE:

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/963,825
FILING DATE:
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/187,319
FILING DATE: 21-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: GOGORIS, Adda C
REGISTRATION NUMBER: 29,714
REFERENCE/DOCKET NUMBER: 4305/08701
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: COLLAGEN - ALPHA 1 (11)
US-08-963-825-20

Alignment Scores:
Pred. No.: 0.0281 Length: 1418
Score: 110.00 Matches: 40
Percent Similarity: 38.89% Conservative: 2
Best Local Similarity: 37.04% Mismatches: 33
Query Match: 17.08% Indels: 34
DB: Gaps: 6

US-09-049-695A-24 (1-336) x US-08-963-825-20 (1-1418)

QY 332 ACCGGGGCTCTCCCTCGCCCTGCTCTCAGCGGAGGCTGTACAGGCTGTATGCT 273
Db 1067 ThrglyLeuGlnGlyLeuProGlyProserGlyAspGlnGlyLasercly 1086
QY 272 CGGGCTCGGACTCAGACAGCGGCTGCTCGGCTCCATCCAGGCTTG---- 217
Db 1087 ProAla-----GlyProserGlyProArgGlyProGlyProValGly 1101
QY 216 -----GTGCTGGAAGATGGGCGCCCTGCTGACT 184
Db 1102 ProserGlyLysAspGlyAlaLamGlyLeuProGlyProLleGlyPro---ProGlyPro 1120
QY 183 CGTGCTTCTCTCCGCTGCTCAGAGTTTCGGCTTCTGACACAGGAGACACACAGC 124
Db 1121 ArgGlyArgserGlyGlu-----Thr-GlyProAlaGlyProPr 1133
QY 123 TGGTGTCTTCTCTCGGAGGCTCCACACAGGCGCCCGAGGCT----- 78
Db 1133 ogLysnProGlyProGlyProPro---GlyProProGlyProGlyLleAspMetse 1152
QY 77 -----TCTCTGGGTCT 66
Db 1152 rAlapheaLaglyLeuGlyPro 1159

RESULT 6
US-09-010-999-1
Sequence 1, Application US/09010999
Patent No. 6132976
GENERAL INFORMATION:
APPLICANT: Poole, Anthony R.
APPLICANT: Hollander, Anthony P.
APPLICANT: Billingham, R. C.
TITLE OF INVENTION: IMMUNOASSAYS FOR THE MEASUREMENT OF
COLLAGEN DENATURATION AND CLEAVAGE IN CARTILAGE
NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/010,999
FILING DATE: 22-JAN-1998
CLASSIFICATION: 4335
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/448,501
FILING DATE: 17-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/984,123
FILING DATE: 04-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Bent, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 032931/0212
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 amino acids
TYPE: amino acid
STRANDEDNESS: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Human Type II Collagen
US-09-010-999-1

Alignment Scores:
Pred. No.: 0.0281 Length: 1418
Score: 110.00 Matches: 40
Percent Similarity: 38.89% Conservative: 2
Best Local Similarity: 37.04% Mismatches: 33
Query Match: 17.08% Indels: 34
DB: Gaps: 6

US-09-049-695A-24 (1-336) x US-09-010-999-1 (1-1418)

QY 332 ACCGGGGCTCTCCCTCGCCCTGCTCTCAGCGGAGGCTGTACAGGCTGTATGCT 273
Db 1067 ThrglyLeuGlnGlyLeuProGlyProserGlyAspGlnGlyLasercly 1086
QY 272 CGGGCTCGGACTCAGACAGCGGCTGCTCGGCTCCATCCAGGCTTG---- 217
Db 1087 ProAla-----GlyProserGlyProArgGlyProGlyProValGly 1101
QY 216 -----GTGCTGGAAGATGGGCGCCCTGCTGACT 184
Db 1102 ProserGlyLysAspGlyAlaMetGlyLleProGlyProLleGlyPro---ProGlyPro 1120
QY 183 CGTGCTTCTCTCCGCTGCTCAGAGTTTCGGCTTCTGACAGGAGACACACAGC 124
Db 1121 ArgGlyArgserGlyGlu-----Thr-GlyProAlaGlyProPr 1133
QY 123 TGGTGTCTTCTCTCGGAGGCTCCACACAGGCGCCCGAGGCT----- 78
Db 1133 ogLysnProGlyProGlyProPro---GlyProProGlyProGlyLleAspMetse 1152
QY 77 -----TCTCTGGGTCT 66

Db 1152 rAlaPhealaglyLeuGlyPro 1159

RESULT 7

US-09-500-811-20

Sequence 20, Application US/09500811

Patent No. 6323314

GENERAL INFORMATION:

APPLICANT: Ovist, Per

TITLE OF INVENTION: A Method for Assaying Collagen Fragments

TITLE OF INVENTION: in Body Fluids, A Test Kit and Means for Carrying Out the

TITLE OF INVENTION: Method and Use of the Method to Diagnose the Presence of

TITLE OF INVENTION: Disorders Associated with the Metabolism of

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Darby & Darby PC

STREET: 805 Third Avenue

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/500, 811

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/187, 319

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Gogoris, Adda C

REGISTRATION NUMBER: 29,714

REFERENCE/DOCKET NUMBER: 4305/08701

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-527-7700

TELEFAX: 212-753-6237

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 1418 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

ORGANISM: Homo sapiens

IMMEDIATE SOURCE:

CLONE: COLLAGEN -ALPHA 1 (II)

US-09-500-811-20

Alignment Scores:

Pred. No.: 0.0281 Length: 1418

Score: 110.00 Matches: 40

Percent Similarity: 38.89% Conservative: 2

Best Local Similarity: 37.04% Mismatches: 33

Query Match: 17.08% Indels: 34

DB: 4 Gaps: 6

US-09-049-695A-24 (1-336) x US-09-500-811-20 (1-1418)

QY 332 ACCGGGCGCTCTCGTCGCGCTCTCTCAGCGGAGGCGTACAGGCTGTATGCT 273

Db 1067 ThrGlyLeuGlnGlyLeuProGlyProGlyProSerGlyAspGlnGlyAlaSerGly 1086

QY 272 CGGGCTCGGAGCTAGACAGCGCCAGGCTCTCGGCTCCATCCAGGCGCTTG---- 217

Db 1087 ProAla-----GlyProSerGlyProAlaGlyProGlyProGlyProAlaGly 1101

QY 216 -----GTGCGTGGAGAGCATGGGCGCCCTGCGCTGACCT 184

:::||||| ::|||

Db 1102 ProSerGlyLysAspGlyAlaAsnGlyIleProGlyProIleGlyPro---ProGlyPro 1120

QY 183 CGTGGCTTCTCCTCGGTGGTCAAGATTTCGGCTTCTGACAGGACGACACGACGAC 124

Db 1121 ArgGlyArgSerGlyGlu-----Thr-GlyProAlaGlyProPr 1133

QY 123 TGGTCTCTCTCTCTCGGAGGCTCCACACAGCGCGCCCGCCAGGCGCT----- 78

Db 1133 oGlyAsnProGlyProProGlyProPro---GlyProProGlyProGlyIleAspMetSe 1152

QY 77 -----TCTCTGGGTCT 66

Db 1152 rAlaPhealaglyLeuGlyPro 1159

RESULT 8

US-09-570-573-20

Sequence 20, Application US/09570573

Patent No. 6342361

GENERAL INFORMATION:

APPLICANT: Ovist, Per

TITLE OF INVENTION: A Method for Assaying Collagen Fragments

TITLE OF INVENTION: in Body Fluids, A Test Kit and Means for Carrying Out the

TITLE OF INVENTION: Method and Use of the Method to Diagnose the Presence of

TITLE OF INVENTION: Disorders Associated with the Metabolism of

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Darby & Darby PC

STREET: 805 Third Avenue

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/570, 573

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/187, 319

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Gogoris, Adda C

REGISTRATION NUMBER: 29,714

REFERENCE/DOCKET NUMBER: 4305/08701

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-527-7700

TELEFAX: 212-753-6237

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 1418 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

ORGANISM: Homo sapiens

IMMEDIATE SOURCE:

CLONE: COLLAGEN -ALPHA 1 (II)

US-09-570-573-20

Alignment Scores:

Pred. No.: 0.0281 Length: 1418

Score: 110.00 Matches: 40

Percent Similarity: 38.89% Conservative: 2

Best Local Similarity: 37.04% Mismatches: 33

Query Match: 17.08% Indels: 34

DB: 4 Gaps: 6

US-09-049-695A-24 (1-336) x US-09-570-573-20 (1-1418)

QY 332 ACCGGGGCCTCTCCTCGCCCTGCTCTCTCCACAGCGGAGGGTGTACAGCCTGTACGT 273
Db 1067 ThrIleuInglIngluProProglYProserIlyAspInglYAlaSerGly 1086
QY 272 CGGGCTGGGACCTACGACACAGCGGAGGTCGTCTGCTGCTCATCCAGCCTTG---- 217
Db 1087 ProIa-----GlyProSerGlyProArGlyProProglYProValGly 1101
QY 216 -----GTGCTTGAAGATGGAGCCCTGCTCAGCT 184
Db 1102 ProSerGlyLysAspGlyAlaAsnGlyIleProglYProIleGlyPro---ProglYPro 1120
QY 183 CGTGGCTTCCTCCCTCGGTCGTCAAGATTGGCTTCTGGACAGAGGAACACACCAGC 124
Db 1121 ArgIleArgSerGlyGlu-----Thr-GlyProAlaGlyProPr 1133
QY 123 TGGTCGTGCTTCCTCCGAGGCTCCACACAGGCGCCCGCAGGCT----- 78
Db 1133 OGlyAsnProglYProProglYProPro---GlyProProglYProGlyIleAspMetSe 1152
QY 77 -----TCTCTGGGTCCT 66
Db 1152 AlaPheAlaGlyLeuGlyPro 1159

RESULT 9
US-09-548-608-20
Sequence 20, Application US/09548608
Patent No. 6355442
GENERAL INFORMATION:
APPLICANT: Ovisl, Per
APPLICANT: Bonde, Martin
TITLE OF INVENTION: A Method for Assaying Collagen Fragments
TITLE OF INVENTION: In Body Fluids, A Test Kit and Means for Carrying Out the
TITLE OF INVENTION: Method and use of the Method to Diagnose the Presence of
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/548, 608
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/187, 319
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gogoris, Adda C
REGISTRATION NUMBER: 29,714
REFERENCE/DOCKET NUMBER: 4305/08701
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens

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; IMMEDIATE SOURCE:
; CLONE: COLLAGEN -ALPHA 1 (II)
US-09-548-608-20

Alignment Scores:
Pred. NO.:      0.0281          Length:      1418
Score:         110.00        Matches:       40
Percent Similarity: 38.89%    Conservative: 2
Best Local Similarity: 37.04% Mismatches:   33
Query Match:     17.08%      Indels:      34
DB:              4           Gaps:        6

US-09-049-695A-24 (1-336) x US-09-548-608-20 (1-1418)

OY 332 ACCGGGCGCTCTCCTCCCTTGCTCTCTCAAGCGGAGGTGTACAGCTTCATGCT 273
      |||||               ||||||||| ||| ||| |||
Db 1067 ThrlgylLeuglnlglyLeuProglYProglYProSerlgLYAsplnIyAlaslerly 1086
      |||||
OY 272 CGGGCTGGGACTCAGACACGCCGCCAGGGTGTCTCGGTCATCATCACAGCGCTTG----- 217
      ||| ||||| ||||| ||| |||
Db 1087 ProAla-----GlyProSerlgYProArgGlYProProglYProValIdly 1101
      ||| ||||| ||||| ||| |||
OY 216 -----GTGCCTGAAGATGGGGGCCCTGCCCTGACCT 184
      ::|||:: ||| ||| ||| |||
Db 1102 ProserglyLysaspIyAlaasnlglylleProglYProIleolYPro---ProglYPro 1120
      ||||| ||| ||| ||||| ||| ||| |||
OY 183 CGTGGCTTCCTCTCGGTGTGTCAAGAGTTTGGCTTCTGTGACAGGACAAAGCACACGAC 124
      ||||| ||| ||| ||||| ||| ||| |||
Db 1121 ArgglYArgSerlgYglu-----Thr-GlyProAlaGlYProPr 1133
      ||||| ||| ||| ||||| ||| ||| |||
OY 123 TGGTCGTCTCTCCGAGGCTCCACCACACGGGGCGCCCGAGGCT----- 78
      ||| ||| ||| ||||| ||| ||| |||
Db 1133 oGIYAsnProglYProProglYProPro---GlyProProglYProglYlIeAspMetSe 1152
      ||||| ||||| ||||| ||| ||| |||
OY 77 -----TCTCTGGGCTCT 66
      ||||| |||
Db 1152 AlaPhalaGlYLeuglYPro 1159

RESULT 10
US-08-906-865-4
; Sequence 4, Application US/08906865
; Patent No. 6040168
; GENERAL INFORMATION:
; APPLICANT: Greengard, Paul
; APPLICANT: Porton, Barbara
; APPLICANT: Kao, Hung-Teh
; TITLE OF INVENTION: DNA ENCODING THE HUMAN SYNAPSIN III GENE
; TITLE OF INVENTION: AND USING THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/906,865
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684

```


INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: /desc = "Synapsin Ia"
HYPOTHEICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-906-865-4

Alignment Scores:
Pred. No.: 0.0383 Length: 696
Score: 108.00 Matches: 40
Percent Similarity: 40.688 Conservative: 8
Best Local Similarity: 33.908 Mismatches: 40
Query Match: 17.398 Indels: 30
DB: Gaps: 7

US-09-049-695a-24 (1-336) x US-08-906-865-4 (1-696)

OY 10 AGTCCAGACGCCAA-----GGTCCCTATCAAGATCAAGTCAAACTGGCCCTC 60
|||||
DB 551 SerProSerProGlnArgGlnAlaGlyProProGlnAlaThrArgGlnThrSerValSer 570
|||||

OY 61 AGAGCAGACCCAGAGAGGCGGCGCCGCTGTGAGCCTCCGAGAGGA--- 117
|||
DB 571 GlyProAlaProProGlnAlaSerGlyAlaProProGlyGlnGlnAlaGlyPro 590
|||

OY 118 -----CGACCAGCTGGTGTGCTGCTCCCTGTCAGAGACCCGAACCTTTGACACCGA 171
:::|
DB 591 ProGlnLysProProGlnProAlaGlyProThrArgGlnAla-----SerGlnAla 607
|||

OY 172 GGAGAACCCAGACGAGCTGTACCAACC-----CAGGGGCCCATCTTCAGGACACCA 219
|||
DB 608 GlyProValProAlaGlyThrGlyProProThrThrGlnGlnProAlaGlyProSer----- 624

OY 220 GGCGCTGATGAGACCGAGACACCCGCGCGCTGT-----CCTGAGTCCCGA 267
|||
DB 625 -----GlyProGlyProAlaGlyAlaProLysProGlnLeuAla 637

OY 268 GCCCGACCATGACAGCCTGTACCAACC-----TCCGCTGAGAGGACGACCA 312
:::|
DB 638 GlnLysProSerGlnAspValProProProAlaThrAlaAlaGlyGlyPro 655

RESULT 11
US-09-129-668-4
Sequence 4, Application US/09129668B
Patent No. 6429010
GENERAL INFORMATION:
APPLICANT: Greengard, Paul
APPLICANT: Pottion, Barbara
APPLICANT: Kuo, Hung-Ten
TITLE OF INVENTION: DNA ENCODING THE HUMAN SYNAPSIN III GENE AND USES
FILE REFERENCE: 600-1-202 CIP
CURRENT APPLICATION NUMBER: US/09/129,668B
EARLIER FILING DATE: 1998-08-05
EARLIER APPLICATION NUMBER: 08/906,865
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 696
TYPE: PRT
ORGANISM: Homo sapiens
US-09-129-668-4

Alignment Scores:
Pred. No.: 0.0383 Length: 696
Score: 108.00 Matches: 40
Percent Similarity: 40.688 Conservative: 8
Best Local Similarity: 33.908 Mismatches: 40
Query Match: 17.398 Indels: 30
DB: Gaps: 7

Percent Similarity: 40.688 Conservative: 8
Best Local Similarity: 33.908 Mismatches: 40
Query Match: 17.398 Indels: 30
DB: Gaps: 7

US-09-049-695a-24 (1-336) x US-09-129-668-4 (1-696)

OY 10 AGTCCAGACGCCAA-----GGTCCCTATCAAGATCAAGTCAAACTGGCCCTC 60
|||||
DB 551 SerProSerProGlnArgGlnAlaGlyProProGlnAlaThrArgGlnThrSerValSer 570
|||||

OY 61 AGAGCAGACCCAGAGAGGCGGCGCCGCTGTGAGCCTCCGAGAGGA--- 117
|||
DB 571 GlyProAlaProProGlnAlaSerGlyAlaProProGlyGlnGlnAlaGlyPro 590
|||

OY 118 -----CGACCAGCTGGTGTGCTGCTCCCTGTCAGAGACCCGAACCTTTGACACCGA 171
:::|
DB 591 ProGlnLysProProGlnProAlaGlyProThrArgGlnAla-----SerGlnAla 607
|||

OY 172 GGAGAACCCAGACGAGCTGTACCAACC-----CAGGGGCCCATCTTCAGGACACCA 219
|||
DB 608 GlyProValProAlaGlyThrGlyProProThrThrGlnGlnProAlaGlyProSer----- 624

OY 220 GGCGCTGATGAGACCGAGACACCCGCGCGCTGT-----CCTGAGTCCCGA 267
|||
DB 625 -----GlyProGlyProAlaGlyAlaProLysProGlnLeuAla 637

OY 268 GCCCGACCATGACAGCCTGTACCAACC-----TCCGCTGAGAGGACGACCA 312
:::|
DB 638 GlnLysProSerGlnAspValProProProAlaThrAlaAlaGlyGlyPro 655

RESULT 12
US-08-642-255-62
Sequence 62, Application US/08642255
Patent No. 5773249
GENERAL INFORMATION:
APPLICANT: CARPELLO, Joseph
APPLICANT: FERRARI, Franco A.
TITLE OF INVENTION: High Molecular Weight Collagen-Like
TITLE OF INVENTION: Protein Polymers
NUMBER OF SEQUENCES: 135
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/642,255
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: ROWLAND, Bettam I
REGISTRATION NUMBER: 20,015
REFERENCE/DOCKET NUMBER: A55556-3/BIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8700
TELEFAX: (415) 494-8771
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 1064 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-642-255-62

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: April 21, 2003, 11:32:48 ; Search time 27.8571 Seconds
(without alignments)
3302.673 Million cell updates/sec

Title: US-09-049-695A-25

Perfect score: 300

Sequence: 1 GCCCATNCTTCACAGCACC.....CCCACTAGACAATAAAC 300

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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4: /cgn2_6/ptodata/1/lna/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/lna/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/1/lna/Dackfilest1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	293	97.7	596	2	US-08-815-175-2 Sequence 2, Appli
2	35.8	11.9	2825	4	US-09-196-390-5 Sequence 5, Appli
3	34.8	11.6	3223	3	US-08-620-694A-9 Sequence 9, Appli
4	34.8	11.6	3223	3	US-09-022-255-9 Sequence 9, Appli
5	34.8	11.6	3223	3	US-09-022-696-9 Sequence 9, Appli
6	34.8	11.6	3223	3	US-08-978-773-3 Sequence 3, Appli
7	34.8	11.6	3223	3	US-09-022-253-9 Sequence 9, Appli
8	34.8	11.6	3223	3	US-09-022-260-9 Sequence 9, Appli
9	34.8	11.6	3223	4	US-09-022-259-9 Sequence 9, Appli
10	34.8	11.6	3223	4	US-09-022-257-9 Sequence 9, Appli
11	34.8	11.6	8438	1	US-07-945-283-1 Sequence 1, Appli
12	33.8	11.3	1431	1	US-08-254-357-1 Sequence 1, Appli
13	33.8	11.3	1926	4	US-09-249-585A-2 Sequence 2, Appli
14	33.8	11.3	2580	4	US-09-050-863-2 Sequence 2, Appli
15	33.8	11.3	2580	4	US-09-359-081-2 Sequence 2, Appli
16	33.8	11.3	4983	1	US-08-472-358-1 Sequence 1, Appli
17	33.8	11.3	4983	5	PCT-US92-05786A-1 Sequence 1, Appli
18	33.8	11.3	5452	2	US-09-130-114-1 Sequence 1, Appli
19	33.8	11.3	9600	4	US-08-910-647-1 Sequence 1, Appli
20	33.8	11.3	9600	4	US-09-620-925-1 Sequence 1, Appli
21	33.8	11.3	10596	1	US-07-884-811-15 Sequence 15, Appli
22	33.8	11.3	10596	1	US-07-885-971-15 Sequence 15, Appli
23	33.8	11.3	10596	1	US-08-087-783A-15 Sequence 15, Appli
24	33.8	11.3	10596	1	US-08-194-088B-15 Sequence 15, Appli
25	33.8	11.3	10596	2	US-08-194-087-15 Sequence 15, Appli
26	33.8	11.3	10596	5	PCT-US93-04648-15 Sequence 15, Appli
27	33.4	11.1	657	4	US-09-249-180-7 Sequence 7, Appli

28	33.4	11.1	829	4	US-09-249-180-4	Sequence 4, Appli
29	33.4	11.1	1028	4	US-09-249-180-1	Sequence 1, Appli
30	33.4	11.1	1163	4	US-09-249-180-5	Sequence 5, Appli
31	33.4	11.1	1209	6	5352575-4	Patent No. 5352575
32	33.4	11.1	1213	4	US-09-232-468A-7	Sequence 7, Appli
33	33	11.0	1793	4	US-09-268-544B-37	Sequence 37, Appli
34	33	11.0	2455	3	US-09-167-109-3	Sequence 3, Appli
35	32.6	10.9	2259	6	5185254-3	Patent No. 5185254
36	32.6	10.9	5552	3	US-08-155-888-1	Sequence 1, Appli
37	32.4	10.8	2139	2	US-08-611-280-3	Sequence 3, Appli
38	32.4	10.8	2139	4	US-09-195-940-3	Sequence 3, Appli
39	32.4	10.8	2139	4	US-09-562-546-3	Sequence 3, Appli
40	32.4	10.8	7892	2	US-07-916-098A-40	Sequence 40, Appli
c 41	32.2	10.7	5252	2	US-09-155-183-7	Sequence 7, Appli
c 42	32.2	10.7	9551	1	US-08-056-200-93	Sequence 93, Appli
43	32.2	10.7	9551	2	US-08-800-644-93	Sequence 93, Appli
44	32	10.7	467	2	US-08-712-948-6	Sequence 6, Appli
45	32	10.7	1995	3	US-08-904-452-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-815-175-2
Sequence 2, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 596 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANCYT02
CLONE: 2235738
US-08-815-175-2
Query Match 97.7%; Score 293; DB 2; Length 596;
Best local Similarity 99.7%; Pred. No. 3.2e-69;
Matches 299; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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; LENGTH: 2825 base pairs
; TYPE: nucleic acid

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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION

```

? NAME: Perkins, Patricia Anne
? REGISTRATION NUMBER: 34,695
? REFERENCE/DOCKET NUMBER: 2617-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (206)587-0430
? TELEFAX: (206)
? INFORMATION FOR SEQ ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 3223 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA to mRNA
? HYPOTHEetical: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Human
? STRAIN: IL-17 R (hCTL8 receptor)
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 93..2693
?
? US-08-620-694A-9

```

	Query Match	Best Local Similarity	Score 34.8	DB 2	Length 3223
	Matches 60	Conservative	58.3%	Pred. NO. 1.5	Mismatches 43; Indels 0; Gaps 0
QY	59	CCTGATGTCGACGCGCCGACCATGATGAGCGCTGTACCACTCTCCGNTGAGGAGACACGAGG	118		
	11				
	11				
	11				
	11				
DB	2151	CGAGGCGCCACGAGCTCCACCGCGGACACAGGCCCCCTCTCTCTCGCGGACACACGAGG	2092		
	119	CGAGAGAGAGCCCGCGTGTGTGGTGATGCCAAATCACCAAGTG	161		
	11				
	11				
	11				
	11				
QY	2091	TGTCGAGGCGCTGCGCGCGCTGAGCTGACCCCGGCGGTGAGAGTG	2049		
	11				
	11				
	11				
	11				
	11				

RESULT 4
 US-09-022-255-9/c
 Sequence 9, Application US/09022255
 Patent No. 6072033
 GENERAL INFORMATION:
 APPLICANT: Yao, Zhengbin
 APPLICANT: Spriggs, Melanie
 APPLICANT: Paslow, William
 TITLE OF INVENTION: Receptor That Binds IL-17
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Power Macintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for Apple, Version 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/022,255
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/620,694
 FILING DATE: 21 MARCH 1996
 APPLICATION NUMBER: USSN 08/538,765
 FILING DATE: 7 AUGUST 1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/410,535
 FILING DATE: 23 MARCH 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,695

```

REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 3223 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human
STRAIN: IL-17 R (hCTLA8 receptor)
FEATURE:
NAME/KEY: CDS
LOCATION: 93..2693
US-09-022-255-9

```

	Query Match	11.6%	Score 34.8	DB 3	Length 3223	
	Best Local Similarity	58.3%	Pred. No. 1.5			
	Matches	60	Conservative	0	Mismatches	43
					Indels	0
					Gaps	0
OY	59	CCTGATGCCAGCCCGACCATGACAGCCTTGACCACCTCCGNCCTGGAGAGACCAAGG	118			
Db	2151	CCAGGGGCCCCAGGCCTCACCGCGGSCACACAGGGCCCCCTCCTTCGGCGAGACCAAGG	2092			
OY	119	CGAGAGAGAGCCCGGTGTGGTGTATCCAAATCACCAGGTG	161			
Db	2031	TGTGAGGGGCTGCGCGCTGTGCTATACCCCGGGGCTGACAGGTG	2049			

RESULT 5
 US-09-022-696--9/c
 Sequence 9, Application US/09022696
 Patent No. 6072037
 GENERAL INFORMATION:
 APPLICANT: Yao, Zhengbin
 APPLICANT: Spriggs, Melanie
 APPLICANT: Fauslow, William
 TITLE OF INVENTION: No. 6072037el Receptor That Binds IL-17
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Power Macintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for Apple, Version 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/022,696
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/620,694
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/410,535
 FILING DATE: 23 MARCH 1995
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,695
 REFERENCE/DOCKET NUMBER: 2617-B
 TELECOMMUNICATION INFORMATION:

RESULT 6
 US-08-978-773-3/C
 : Sequence 3, Application US/08978773
 Patent No. 6083906
 GENERAL INFORMATION:
 APPLICANT: Trout, Anthony
 TITLE OF INVENTION: Method of Regulating Nitric Oxide Production
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple PowerMacintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for PowerMacintosh, Version 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/978,773
 FILING DATE:
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USN 60/052,525
 FILING DATE: 27 NOVEMBER 1996
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,693
 REFERENCE/DOCKET NUMBER: 2623-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206)587-0430
 TELEFAX: (206)
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3223 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

```

1      RESULT 7
2      US-09-022-253-9/c
3      : Sequence 9, Application US/09022253
4      : Patent No. 6096305
5      :
6      : GENERAL INFORMATION:
7      :
8      : APPLICANT: Yao, Zhengbin
9      : APPLICANT: Spirigs, Melanie
10     : APPLICANT: Fanslow, William
11     : TITLE OF INVENTION: No. 6096305e1 Receptor That Binds IL-17
12     : NUMBER OF SEQUENCES: 10
13     :
14     : CORRESPONDENCE ADDRESS:
15     : ADDRESSEE: Immunex Corporation
16     : STREET: 51 University Street
17     : CITY: Seattle
18     : STATE: WA
19     : COUNTRY: USA
20     : ZIP: 98101
21     :
22     : COMPUTER READABLE FORM:
23     : MEDIUM TYPE: Floppy disk
24     : COMPUTER: Apple Power Macintosh
25     : OPERATING SYSTEM: Apple Operating System 7.5.5
26     : SOFTWARE: Microsoft Word for Apple, Version 6.0.1
27     :
28     : CURRENT APPLICATION DATA:
29     : APPLICATION NUMBER: US/09/022.253
30     : FILING DATE:
31     : CLASSIFICATION:
32     :
33     : PRIOR APPLICATION DATA:
34     : APPLICATION NUMBER: US/08/620.694
35     : FILING DATE: 21-MARCH-1996
36     : APPLICATION NUMBER: USSN 08/538,765
37     : FILING DATE: 7 AUGUST 1995
38     : CLASSIFICATION:
39     : PRIOR APPLICATION DATA:
40     : APPLICATION NUMBER: USSN 08/410,535
41     : FILING DATE: 23 MARCH 1995
42     : CLASSIFICATION:
43     : ATTORNEY/AGENT INFORMATION:
44     : NAME: Perkins, Patricia Anne
45     : REGISTRATION NUMBER: 34,695
46     : REFERENCE/DOCKET NUMBER: 2617-B
47     : TELECOMMUNICATION INFORMATION:
48     : TELEPHONE: (206)587-0430
49     : TELEFAX: (206)
50     : INFORMATION FOR SEO ID NO: 9:
51     : SEQUENCE CHARACTERISTICS:
52     : LENGTH: 3223 base pairs
53     : TYPE: nucleic acid
54     : STRANDEDNESS: single

```



```

? TOPOLOGY: linear
? MOLECULE TYPE: CDNA to mRNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Human
? STRAIN: IL-17 R (hCTLA8 receptor)
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 93..2693
?
US-09-022-253-9

Query Match          11.6%; Score 34.8; DB 3; Length 3223;
Best Local Similarity 58.3%; Pred. No. 1.5;
Matches 60; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

QY 59 CCGAGTCCCGAGCCCGACCATATACAGCCTGTACACCCCTCCGCTGAGAGGAGCAGG 118
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2151 CCAGGGGCCAGGCTCCACCGCGCCACCAAGGCCCTCTCTGCGGCGAGCAGCAGG 2092
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 119 CGAGAGAGGCCGCCGTTGTGGGTGATGCCAATTCACACAGTG 161
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2091 TGTGAGAGGGCTGCGGCGCTGCTGACCCCGGGGCTGCAGTG 2049

RESULT 8
US-09-022-260-9/C
? Sequence 9, Application US/09022260
? Patent No. 6100235
? GENERAL INFORMATION:
? APPLICANT: Yao, Zhengbin
? APPLICANT: Spriggs, Melanie
? APPLICANT: Fanslow, William
? TITLE OF INVENTION: No. 6100235el Receptor That Binds IL-17
? NUMBER OF SEQUENCES: 10
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Immunex Corporation
? STREET: 51 University Street
? CITY: Seattle
? STATE: WA
? COUNTRY: USA
? ZIP: 98101
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: Apple Power Macintosh
? OPERATING SYSTEM: Apple Operating System 7.5.5
? SOFTWARE: Microsoft Word for Apple, Version 6.0.1
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/022,260
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/620,694
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: USSN 08/410,535
? FILING DATE: 23 MARCH 1995
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: Perkins, Patricia Anne
? REGISTRATION NUMBER: 34,695
? REFERENCE/DOCKET NUMBER: 2617-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (206)587-0430
? TELEFAX: (206)
? INFORMATION FOR SEQ. ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 3223 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: CDNA to mRNA
```

```

? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? ORIGINAL SOURCE:
? ORGANISM: Human
? STRAIN: IL-17 R (hCTLA8 receptor)
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 93..2693
?
US-09-022-260-9

Query Match          11.6%; Score 34.8; DB 3; Length 3223;
Best Local Similarity 58.3%; Pred. No. 1.5;
Matches 60; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

QY 59 CCGAGTCCCGAGCCCGACCATATACAGCCTGTACACCCCTCCGCTGAGAGGAGCAGG 118
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2151 CCAGGGGCCAGGCTCCACCGCGCCACCAAGGCCCTCTCTGCGGCGAGCAGCAGG 2092
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 119 CGAGAGAGGCCGCCGTTGTGGGTGATGCCAATTCACACAGTG 161
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2091 TGTGAGAGGGCTGCGGCGCTGCTGACCCCGGGGCTGCAGTG 2049

RESULT 9
US-09-022-259-9/C
? Sequence 9, Application US/09022259
? Patent No. 6191104
? GENERAL INFORMATION:
? APPLICANT: Yao, Zhengbin
? APPLICANT: Spriggs, Melanie
? APPLICANT: Fanslow, William
? TITLE OF INVENTION: No. 6191104el Receptor That Binds IL-17
? NUMBER OF SEQUENCES: 10
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Immunex Corporation
? STREET: 51 University Street
? CITY: Seattle
? STATE: WA
? COUNTRY: USA
? ZIP: 98101
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: Apple Power Macintosh
? OPERATING SYSTEM: Apple Operating System 7.5.5
? SOFTWARE: Microsoft Word for Apple, Version 6.0.1
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/022,259
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/620,694
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: USSN 08/410,535
? FILING DATE: 23 MARCH 1995
? CLASSIFICATION:
? ATTORNEY/AGENT INFORMATION:
? NAME: Perkins, Patricia Anne
? REGISTRATION NUMBER: 34,695
? REFERENCE/DOCKET NUMBER: 2617-B
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (206)587-0430
? TELEFAX: (206)
? INFORMATION FOR SEQ. ID NO: 9:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 3223 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: CDNA to mRNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
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ORIGINAL SOURCE:
ORGANISM: Human
STRAIN: IL-17 R (hCTL8 receptor)
FEATURE:
NAME/KEY: CDS
LOCATION: 93...2693
US-09-022-259-9

Query Match 11.6%; Score 34.8; DB 4; Length 3223;
Best Local Similarity 58.3%; Pred. No. 1.5;
Matches 60; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Db 2091 TGTGGAGGGGCTGCGCGCTGCTGACCCCGGGGCTGCAGGTG 2049

RESULT 10
US-09-022-257-9/c
Sequence 9, Application US/09022257
Patent No. 6197525
GENERAL INFORMATION:
APPLICANT: Yao, Zhengbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: No. 6197525e1 Receptor That Binds IL-17
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022.257
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/620,694
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USN 08/410,535
FILING DATE: 23 MARCH 1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 3223 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human

STRAIN: IL-17 R (hCTL8 receptor)
FEATURE:
NAME/KEY: CDS
LOCATION: 93...2693
US-09-022-257-9

Query Match 11.6%; Score 34.8; DB 4; Length 3223;
Best Local Similarity 58.3%; Pred. No. 1.5;
Matches 60; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Db 2091 TGTGGAGGGGCTGCGCGCTGCTGACCCCGGGGCTGCAGGTG 2049

RESULT 11
US-07-945-283-1
Sequence 1, Application US/07945283
Patent No. 5352596
GENERAL INFORMATION:
APPLICANT: Cheung, Andrew K.
APPLICANT: Wesley, Ronald D.
TITLE OF INVENTION: Pseudorabies Virus Deletion Mutants
TITLE OF INVENTION: Involving The EP0 and LfT Genes
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtiss P. Ribando
STREET: 1815 No. 5352596th University Street
CITY: Peoria
STATE: IL
COUNTRY: USA
ZIP: 61604
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/945,283
FILING DATE: 19920911
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Ribando, Curtis P
REGISTRATION NUMBER: 27976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 309-685-4011 ext.513
TELEFAX: 309-685-4128
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8438 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudorabies virus
FEATURE:
NAME/KEY: CDS
LOCATION: 622...6495
FEATURE:
NAME/KEY: variation
LOCATION: replace(1099, "g")
FEATURE:
NAME/KEY: variation
LOCATION: replace(1267, "c")
FEATURE:
NAME/KEY: variation

ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/050,863
FILING DATE: 30-MAR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Silva, Robin M.
REGISTRATION NUMBER: A-65638/DJB/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 949-8711
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2580 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
US-09-050-863-2

Query Match 11.3%; Score 33.8; DB 3; Length 2580;
Best Local Similarity 46.7%; Fred. No. 2.6;
Matches 98; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 22 AGGCTGATGAGACCGACACCCCTGGGCCGTGCTCCTGATCCCGACCCGACCATG 81
DB 863 AGGAGGGGACAGAGGGGACAGAGGGGACAGAGAGGAGGGGACAGAGGAGG 922
QY 82 ACAGCCTGTACCACTCCGCTGAGAGGACAGAGGGGACAGAGAGGCCCGGTGTGGG 141
DB 923 GGCAGAGAGGGGACAGAGGAGGAGGAGGGGACAGAGGGGACAGAGGAGG 982
QY 142 TGATGCCAAATCACCAGTGTCTCTGGGACCGGAGAGAAACCAACCATNTACCAAC 201
DB 983 AGGGGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1042
QY 202 CCCAGTAGGAGGNTTCAGGGGCCATNAGTNC 231
DB 1043 AGGAGAGGGGACAGAGGGGACAGAGGGGC 1072

RESULT 15
US-09-359-081-2
Sequence 2, Application US/09359081
Patent No. 6316223
GENERAL INFORMATION:
APPLICANT: Lao, Ying
Huang, Betty
Payan, Don
TITLE OF INVENTION: Mammalian Protein Interaction Cloning
System
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/359,081
FILING DATE: 22-Jul-1999
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/050,863
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Silva, Robin M.
REGISTRATION NUMBER: A-65638/DJB/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 949-8711
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2580 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-359-081-2

Query Match 11.3%; Score 33.8; DB 4; Length 2580;
Best Local Similarity 46.7%; Fred. No. 2.6;
Matches 98; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 22 AGGCTGATGAGACCGACACCCCTGGGCCGTGCTCCTGATCCCGACCCGACCATG 81
DB 863 AGGAGGGGACAGAGGGGACAGAGGGGACAGAGAGGAGGGGACAGAGGAGG 922
QY 82 ACAGCCTGTACCACTCCGCTGAGAGGACCAAGGGGACAGAGAGGCCCGGTGTGGG 141
DB 923 GGCAGAGAGGGGACAGAGGAGGAGGAGGGGACAGAGGGGACAGAGGAGG 982
QY 142 TGATGCCAAATCACCAGTGTCTCTGGGACCGGAGAGAAACCAACCATNTACCAAC 201
DB 983 AGGGGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1042
QY 202 CCCAGTAGGAGGNTTCAGGGGCCATNAGTNC 231
DB 1043 AGGAGAGGGGACAGAGGGGACAGAGGGGC 1072

Search completed: April 21, 2003, 13:26:43
Job time: 34.8571 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: April 21, 2003, 11:32:48 ; Search time 24.2357 Seconds
(without alignments)
3302.673 Million cell updates/sec

Title: US-09-049-695A-2

Perfect score: 261

Sequence: 1 AGCCACTGACAGCTCCCTGAG.....GTCCAGAGCCGAACCTCTT 261

Scoring table:

IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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2: /cgn2_6/ptodata/1/ina/5B.COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq: *
5: /cgn2_6/ptodata/1/ina/PCRTUS.COMB.seq: *
6: /cgn2_6/ptodata/1/ina/Backfillseq1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	35.8	13.7	2793	1	US-08-209-747-1
3	35.8	13.7	2793	1	US-08-458-298-1
4	35.4	13.6	2493	3	US-08-945-056-3
5	35.4	13.6	3827	1	US-08-170-294-6
6	35.4	13.6	3827	2	US-08-664-855-6
7	35.4	13.6	3827	2	US-08-718-751-1
8	35.4	13.6	3827	3	US-09-049-289-6
9	32.6	12.5	11219	1	US-07-642-734C-1
10	32.6	12.5	11219	3	US-08-439-009A-1
11	32	12.3	33529	4	US-09-144-085-3
12	31.4	12.0	2424	4	US-09-234-393-1
13	31.4	12.0	2424	4	US-09-360-545-15
14	31.4	12.0	2424	4	US-09-865-171-1
15	31.4	12.0	2424	4	US-09-398-395A-45
16	31.4	12.0	2525	4	US-09-234-393-39
17	31.4	12.0	2525	4	US-09-865-171-39
18	31.4	12.0	2528	4	US-09-234-393-37
19	31.4	12.0	2528	4	US-09-234-393-41
20	31.4	12.0	2528	4	US-09-865-171-37
21	31.4	12.0	2528	4	US-09-865-171-41
22	31.4	12.0	2571	4	US-09-234-393-12
23	31.4	12.0	2571	4	US-09-865-171-12
24	31.2	12.0	504	4	US-09-512-342-19
25	31.2	12.0	1218	1	US-08-351-473B-6
26	31.2	12.0	2000	1	US-08-351-473B-1
27	31.2	12.0	2338	1	US-08-425-069-1

28	31.2	12.0	2338	2	US-08-317-844B-1	Sequence 1, Appli
29	31.2	12.0	2502	1	US-08-073-384C-7	Sequence 7, Appli
30	31.2	12.0	2502	1	US-08-254-359A-7	Sequence 7, Appli
31	31.2	12.0	2502	1	US-08-483-043-7	Sequence 7, Appli
32	31.2	12.0	2502	1	US-08-481-238-7	Sequence 7, Appli
33	31.2	12.0	2502	2	US-08-471-066B-7	Sequence 7, Appli
34	31.2	12.0	2502	2	US-08-484-956-7	Sequence 7, Appli
35	31.2	12.0	2502	2	US-08-757-653-7	Sequence 7, Appli
36	31.2	12.0	2502	2	US-08-599-491-7	Sequence 7, Appli
37	31.2	12.0	2502	2	US-08-756-386-7	Sequence 7, Appli
38	31.2	12.0	2502	2	US-08-823-516-7	Sequence 7, Appli
39	31.2	12.0	2502	3	US-08-682-853A-7	Sequence 7, Appli
40	31.2	12.0	2502	3	US-08-759-038-7	Sequence 7, Appli
41	31.2	12.0	2502	3	US-08-758-314-7	Sequence 7, Appli
42	31.2	12.0	2502	4	US-09-350-309-7	Sequence 7, Appli
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44	30.8	11.8	229	2	US-08-676-279-37	Sequence 37, Appli
45	30.6	11.7	195	1	US-08-158-189-9	Sequence 9, Appli

ALIGNMENTS

RESULT 1
US-08-815-175-2
Sequence 2, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hallman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 596 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANCUT02
CLONE: 2235738
US-08-815-175-2
Query Match 100.0%; Score 261; DB 2; Length 596;
Best Local Similarity 100.0%; Pred. No. 3.8e-62;
Matches 261; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

[illegible]

RESULT 3
US-08-458-298-1
; Sequence 1, Application US/08458298
; Patent No. 5756677
; GENERAL INFORMATION:
; APPLICANT: Lewis, Randolph V.
; APPLICANT: Galt, Mark

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; GENERAL INFORMATION:
; APPLICANT: Lewis, Randolph V.
; APPLICANT: Colgin, Mark
; STATE OF INVENTION:

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;; TITLE OF INVENTION:  CDNAs Encoding Minor Ampullate Spider
;; TITLE OF INVENTION:  Silk Proteins
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NUMBER OF SEQUENCES: 56

ADDRESSEE: Fish Creek, Fish Creek
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Blich, Steward, Noldson & Blich
STREET: P.O. Box 747
CITY: Dallas, Texas

CITY: FALLS CHURCH
STATE: Virginia
COUNTRY: USA

COUNTRY: USA
ZIP: 22040-3487

COMPUTER READABLE FORM:
MEDIUM TYPE. FLOPPY

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS 3.31

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SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/08/458,298
FILING DATE: 02-JUN-1995

CLASSIFICATION: 530
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/209,747
FILING DATE: 14-MAR-1994

ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.

REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1447-104F

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000

TELEFAX: 703-205-8050
; INFORMATION FOR SEQ ID NO: 1:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 2793 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: double
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:      TOPOLOGY:  linear
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:      MOLECULE TYPE:  CDNA
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HYPOTHETICAL: NO
ORIGINAL SOURCE:

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; ORGANISM: Nephila clavipes
; TISSUE TYPE: minor ampullate gland
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FEATURE:	
NAME/KEY:	CDS

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; LOCATION: 183..2675
; OTHER INFORMATION: /product= "N. clavipes minor

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OTHER INFORMATION: ampullate silk protein"
US-08-458-298-1

Query Match 13.78; Score 35.8; DB 1; Length 2793;

Best Local Similarity

Best Local Similarity

Best Local Similarity

Matches 82; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

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QY 197 GTGAGACCTCCGAGAGACGACGACGCTGTGCTGTG 235
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RESULT 4

US-08-945-056-3/c
; Sequence 3, Application US/08945056
; Patent No. 6077994
; GENERAL INFORMATION:
; APPLICANT: Coupland, George M.
; APPLICANT: Putterill, Joanna J.
; TITLE OF INVENTION: Genetic control of flowering
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye PC
; STREET: 8th Floor, 1100 No. 6077994th Glébe Road
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/945,056
; FILING DATE: 20-OCT-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/CB95/02561
; FILING DATE: 01-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9422083.7
; FILING DATE: 02-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ms Mary J Wilison
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 620-17
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2493 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Zea mays
; US-08-945-056-3

Query Match 13.6%; Score 35.4; DB 3; Length 2493;
Best Local Similarity 48.3%; Pred. No. 0.71;
Matches 99; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

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QY 117 CACCCAAGTCCCTATCAAGATGCAAGTCAACACTGGCCCTCAGAGCAGACCCAGAGA 176
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Db 406 CTGTCTCCCTTGAGAGACCACTTACCAAGAGGCGGCCAGGCGGACAGTCCGACG 347

QY 177 AGGCTGGGAGCGCCGTGTGTGAGCTTCGAGAGAGACGACGAGTGTGCTGT 236
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Db 346 AGCTTTGCCCGCCCGCTGCCAGAGCGTCCAGAGATAGCCCCCGCCAGAGCTG 287
QY 237 TCCCTGTCCAGAGCGCAACTCTT 261
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Db 286 GCCCTTGCGACATCTGAGGCCTT 262

RESULT 5

US-08-170-294-6/c
; Sequence 6, Application US/08170294
; Patent No. 5589614
; GENERAL INFORMATION:
; APPLICANT: BRIGGS, IAN G.
; APPLICANT: BRIGGS, SIMON W.J.
; APPLICANT: GREENLAND, ANDREW J.
; APPLICANT: HOLT, DAVID C.
; APPLICANT: JEPSON, IAN
; APPLICANT: SCHUCH, WOLFGANG W.
; TITLE OF INVENTION: PLANT-DERIVED ENZYME AND DNA SEQUENCES
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN DABRY & CUSHMAN L.L.P.
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/170,294
; FILING DATE: 30-DEC-1993
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/GB92/01187
; FILING DATE: 01-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9114259.6
; FILING DATE: 02-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: KOKULIS, PAUL N.
; REGISTRATION NUMBER: 16,773
; REFERENCE/DOCKET NUMBER: 204218/SEE36438/UST
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3827 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: gsf-27 promoter figure 8
; US-08-170-294-6

Query Match 13.6%; Score 35.4; DB 1; Length 3827;
Best Local Similarity 48.3%; Pred. No. 0.78;
Matches 99; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

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RESULT 10
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: Sequence 1, Application US/08439009A
: Patent No. 6004787
GENERAL INFORMATION:
APPLICANT: Donadio, S
APPLICANT: Katz, L
APPLICANT: Mcalpine, J B
TITLE OF INVENTION: Method of Directing Biosynthesis of
TITLE OF INVENTION: Specific Polypeptides
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Steven F. Weinstein
STREET: Abbott Laboratories D377/AP6D-2 One Abbott
STREET: Park Rd
CITY: Abbott Park
STATE: IL
COUNTRY: US
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/439,009A
FILING DATE: 11-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Casuto, Dianne
REGISTRATION NUMBER: 40,943
REFERENCE/DOCKET NUMBER: 4952.US.D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847-938-3137
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 11219 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Saccharopolyspora erythraea
STRAIN: NRRL 2338
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NAME/KEY: misc-feature
LOCATION: 744..6659
OTHER INFORMATION: /function= "APPROXIMATE SPAN OF
OTHER INFORMATION: MODULE 1"
OTHER INFORMATION: /label= FUNCTION
FEATURE:
NAME/KEY: CDS
LOCATION: 744..11219
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OTHER INFORMATION: /product= "ORF1 encoding modules 1 & 2 for
OTHER INFORMATION: 6-deoxyerythronolide B""
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LOCATION: 744..1868
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FEATURE:
NAME/KEY: misc-feature

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Tue Apr 22 09:09:18 2003

us-09-049-695a-2.rni

Page 9

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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

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Title: US-09-049-695A-24

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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5	40.2	12.0	942	1	US-07-985-690A-2
6	39.6	11.8	945	1	US-07-985-690A-13
7	38	11.3	3319	1	US-08-006-675B-2
8	38	11.3	3319	1	US-08-282-845-1
9	38	11.3	3319	2	US-08-428-414A-4
10	38	11.3	3319	5	PCT-US94-00324-2
11	36.4	10.8	11958	4	US-09-134-246-8
12	36	10.7	936	4	US-09-416-509C-2
13	35.2	10.5	2610	2	US-09-212-771-1
14	35.2	10.5	2610	3	US-09-091-058-1
15	35	10.4	1218	1	US-08-351-473B-6
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20	35	10.4	1734	3	US-09-188-496-1
21	35	10.4	1734	4	US-09-397-238A-7
22	35	10.4	1734	4	US-09-368-282-1
23	35	10.4	1734	4	US-09-566-708A-1
24	35	10.4	2000	1	US-08-351-473B-1
25	34.8	10.4	7812	4	US-09-368-590-1
26	34.4	10.2	2793	1	US-08-209-747-1
27	34.4	10.2	2793	1	US-08-458-298-1

C 28	34.2	10.2	1103	3	US-08-617-860B-5	Sequence 5, Appli
C 29	33.8	10.1	4050	4	US-09-543-084A-26	Sequence 26, Appl
C 30	33.8	10.1	4093	4	US-09-543-084A-28	Sequence 28, Appl
C 31	33.8	10.1	4101	4	US-09-543-084A-27	Sequence 27, Appl
C 32	33.4	9.9	1134	1	US-08-087-772A-14	Sequence 14, Appl
C 33	33.4	9.9	1227	1	US-07-916-901-1	Sequence 1, Appli
C 34	33.4	9.9	1227	1	US-08-351-473B-7	Sequence 7, Appli
C 35	33.4	9.9	3683	4	US-08-450-965-1	Sequence 1, Appli
C 36	33.2	9.9	1431	1	US-08-254-357-1	Sequence 1, Appli
C 37	33.2	9.9	4983	1	US-08-472-358-1	Sequence 1, Appli
C 38	33.2	9.9	4983	5	PCT-US92-05786A-1	Sequence 1, Appli
C 39	33.2	9.9	4403765	4	US-09-103-840A-2	Sequence 2, Appli
C 40	33.2	9.9	4411529	4	US-09-103-840A-1	Sequence 1, Appli
C 41	33	9.8	1926	3	US-09-249-585A-2	Sequence 2, Appli
C 42	33	9.8	2580	3	US-09-050-863-2	Sequence 2, Appli
C 43	33	9.8	2580	4	US-09-359-081-2	Sequence 2, Appli
C 44	33	9.8	3283	4	US-09-651-655-16	Sequence 16, Appl
C 45	33	9.8	3283	4	US-09-650-855-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-815-175-2
Sequence 2, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 596 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANCYT02
CLONE: 2235738
US-08-815-175-2
Query Match 99.7%; Score 335; DB 2; Length 596;
Best Local Similarity 99.7%; Pred. No. 2,8e-76;
Matches 335; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 220 CCAGCTGTGTGTGTGTCTCTGTCACAGAGCCGAAACTTTGACCAACCGAGAGAAACC 279
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QY 301 TGAGAGAGACCGAGGCGCAGAGAGAGGCCCGGTTGTG 336
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Db 400 TGAGAGAGACCGAGGCGCAGAGAGAGGCCCGGTTGTG 435
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RESULT 2
US-09-596-541-1

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; Sequence 1, Application US/09596541
; Patent No. 6361993
; GENERAL INFORMATION:
; APPLICANT: Beraud, Christophe
; TITLE OF INVENTION: No. 6361993el motor proteins and methods for
; FILE REFERENCE: 1043
; CURRENT APPLICATION NUMBER: US/09/596,541
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/295,612
; PRIOR FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1085
; TYPE: DNA
; ORGANISM: Human
US-09-596-541-1
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Query Match 12.1%; Score 40.8; DB 4; Length 1085;
Best Local Similarity 51.7%; Pred. No. 0.076;
Matches 93; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

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QY 132 TGCTGTCCCTGTCTCAGAGAGCCGAACCTTGACCAACGAGAGAGAGAGAGAGTCA 191
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Db 385 GGTGATCCCTGGGGCGCCCTGTCTCTGTGGCTCAGAGAGTGAAGTCAAGTCAAG 444
QY 192 GCAGGGGCCCCATCTTCCAGGACCAAGGCTGTGATGAGAGACGAGACACCTGGGCC 251
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RESULT 3
US-09-596-541-5

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; Sequence 5, Application US/09596541
; Patent No. 6361993
; GENERAL INFORMATION:
; APPLICANT: Beraud, Christophe
; TITLE OF INVENTION: No. 6361993el motor proteins and methods for
; FILE REFERENCE: 1043
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; CURRENT APPLICATION NUMBER: US/09/596,541
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/295,612
; PRIOR FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1110
; TYPE: DNA
; ORGANISM: Human
US-09-596-541-5
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Query Match 12.1%; Score 40.8; DB 4; Length 1110;
Best Local Similarity 51.7%; Pred. No. 0.077;
Matches 93; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

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    |||
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QY 192 GCAGGGGCCCCATCTTCCAGGACCAAGGCTGTGATGAGAGACGAGACACCTGGGCC 251
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RESULT 4
US-09-596-541-3

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; Sequence 3, Application US/09596541
; Patent No. 6361993
; GENERAL INFORMATION:
; APPLICANT: Beraud, Christophe
; TITLE OF INVENTION: No. 6361993el motor proteins and methods for
; FILE REFERENCE: 1043
; CURRENT APPLICATION NUMBER: US/09/596,541
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US 09/295,612
; PRIOR FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1113
; TYPE: DNA
; ORGANISM: Human
US-09-596-541-3
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Query Match 12.1%; Score 40.8; DB 4; Length 1113;
Best Local Similarity 51.7%; Pred. No. 0.077;
Matches 93; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

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QY 72 CAGAGAAAGCCTGGGGGCGCCGTGTGTGAGCCTCCGAGAGAGAGACGACGCTGTGG 131
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Db 326 CAGCAGATGGCAGAACCTTCAATGGAGGTGGGCTGGGGAGACCCCACTGGAGG 385
QY 132 TGCTGTCCCTGTCTCAGAGAGCCGAACCTTGACCAACGAGAGAGAGAGAGTCA 191
    |||
Db 386 GGTGATCCCTGGGGCGCCCTGTCTCTGTGGCTCAGAGAGTGAAGTCAAGTCAAG 445
QY 192 GCAGGGGCCCCATCTTCCAGGACCAAGGCTGTGATGAGAGACGAGACACCTGGGCC 251
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Db 446 GCTGAGCTACAGCTTTGTACCAAGCTAGAGATCTACAAATGAGACTGTCCGGGACC 505
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RESULT 5
US-07-985-690A-2

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; Sequence 2, Application US/07985690A
; Patent No. 5376545
; GENERAL INFORMATION:
; APPLICANT: Yagasaki, Makoto
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RESULT 7
US-08-006-676B-2
; Sequence 2, Application US/08006676B
; Patent No. 5411865
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven
; TITLE OF INVENTION: Diagnosis of Leishmaniasis
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jeffrey B. Oster
; STREET: 8339 SE 57th Street
; CITY: Mercer Island
; STATE: Washington
; COUNTRY: USA
; ZIP: 98040-4906
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORD for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/006,676B
; FILING DATE: 15-JAN-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oster, Jeffrey B.
; REGISTRATION NUMBER: 32,585
; REFERENCE/DOCKET NUMBER: REED-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 232 7845
; TELEFAX: (206) 236 0205
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3319 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: Leishmania chagasi
US-08-006-676B-2

Query Match      11.38; Score 38; DB 1; Length 3319;
Best Local Similarity 45.6%; Pred. No. 0.49;
Matches 134; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

QY 37 GATCAAGTCAACACACGCGCCCTGAGAGACGACCCAGAGAGCGCTGGGGCGCCCGCTGT 96
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Db 1384 GAGCCACATCAACTGCTGCTGACGACGCTCGGGCGCTGATCGACGTGCTGCGGACAT 1443

QY 97 GGTGAGCCTTCGAGAGAGAGAGACGACGAGCTGGTGTGTTCCCTGTCAGAAAGCCGAA 156
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Db 1444 GCGCAGCAAGGGTGCAGAGGCGCAGTACAGCGTTGCGCGCTTCGCGACCTGAAAGCTGAC 1503

QY 157 ACTTTGACACCGACGAGAGAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 216
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Db 1504 GTTATCTCTGAAGACCTGCTTGGCGGGAACTCGAAGACGTTCTATGATCGGACTGTGAG 1563

QY 217 CAAGGCTGTGATGAGAGACGACGACCTGGGCGGTGTCTGTGAGTCCGAGCGCCGACCA 276
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Db 1564 CCCGAGCGCGCTGAACTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1623

QY 277 TGACAGCCTGTACCACTCCGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 330
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RESULT 8
US-08-282-845-1
; Sequence 1, Application US/08282845
; Patent No. 5719263
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GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: A 230kd Antigen Present in Leishmania
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Apple Macintosh
; SOFTWARE: Microsoft Word for Macintosh 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/282,845
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/006,676
; FILING DATE: JANUARY 15, 1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 5004-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3319 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: FK39
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 455..3319
US-08-282-845-1

Query Match      11.38; Score 38; DB 1; Length 3319;
Best Local Similarity 45.6%; Pred. No. 0.49;
Matches 134; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

QY 37 GATCAAGTCAACACACGCGCCCTGAGAGACGACCCAGAGAGCGCTGGGGCGCCCGCTGT 96
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1384 GAGCCACATCAACTGCTGCTGACGACGCTCGGGCGGTGATCGACGTGCTGCGGACAT 1443

QY 97 GGTGAGCCTTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 156
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1444 GCGCAGCAAGGGTGCAGAGGCGCAGTACAGGTTGCGCGCTTCGCGACCTGAAAGCTGAC 1503

QY 157 ACTTTGACACCGACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 216
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1504 GTTATCTCTGAAGACCTGCTTGGCGGGAACTCGAAGACGTTCTATGATCGGACTGTGAG 1563

QY 217 CAAGGCTGTGATGAGAGACGACGACCTGGGCGGTGTCTGTGAGTCCGAGCGCCGACCA 276
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1564 CCCGAGCGCGCTGAACTACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1623

QY 277 TGACAGCCTGTACCACTCCGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 330
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1624 CGACATTGTGAATGTTGGCGAGGTGAACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1677
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RESULT 9
US-08-428-414A-4
; Sequence 4, Application US/08428414A
; Patent No. 5912166
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,414A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Kadlecek, Ann T.
; REGISTRATION NUMBER: 39,244
; REFERENCE/DOCKET NUMBER: 210121.407
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; TELEX: 3723836 SEEDANDBERRY
; INFORMATION FOR SEQ. ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3319 base pairs
; TYPE: nucleic acid
; TOPOLOGY: linear
; STRANDEDNESS: single
; MOLECULE TYPE: cDNA to mRNA
; US-08-428-414A-4

Query Match 11.3%; Score 38; DB 2; Length 3319;
Best Local Similarity 45.6%; Pred. No. 0.49;
Matches 134; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

QY 37 GATGCAAGTCAAACTGCGCCCTCAGAGCAGACCCAGAGAAAGCCCTGGGCGCCCGTGT 96
DB 1384 GAGCGACATCAACCTGTGCTGACGACGCTCGGGCGCGTGATGACGCTGCTCGCGACAT 1443
QY 97 GGTGAGACCTCCGGAGAAGAGCAGCAGCTGGTGTGCTGTTCCCTGTCAGAAAGCGAA 156
DB 1444 GGGGAGAGAGGTCGCAAGCGCAGTACAGACGTTGGCGCGCTTCGGGACATCGAAGCTGAC 1503
QY 157 ACTCTTGACACCCGAGAGAAAGCCACGAGTCAAGGCGAGGGGCCCATCTTCACAGGCAC 216
DB 1504 GTTCATCTCTGAAGACTCGTTGGCGGAACTGGAAGACGTTTCATGATCGCAGCTGTGAG 1563
QY 217 CAAGGCTGTGATGAGACGAGACACCGTGGGCGCGCTGCTCTCAGTCCAGAGCCGACCA 276
DB 1564 CCCGAGCGGCTGTAATCTAGAGAGAGCGCTGAGCAGCAGCTGCGGTACGCGTGGCGGCG 1623
QY 277 TGACAGCCTGTACACCTCCGCTGAGAGAGCAGCAGGCGAGAGAGGCGCGG 330
DB 1624 CGACATTGTGAATGTTGCGCAGGTGAACAGAGACCGCGCGCAGCGCGGATCCG 1677

RESULT 10
PCT-US94-00324-2
; Sequence 2, Application PC/TUS9400324
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven
; TITLE OF INVENTION: Diagnosis of Leishmaniasis

NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple System 7.1
SOFTWARE: Microsoft Word, version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/00324
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/006,676
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 5004-WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3319 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ORIGINAL SOURCE:
ORGANISM: Leishmania chagasi
PCT-US94-00324-2

Query Match 11.3%; Score 38; DB 5; Length 3319;
Best Local Similarity 45.6%; Pred. No. 0.49;
Matches 134; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

QY 37 GATGCAAGTCAAACTGCGCCCTCAGAGCAGACCCAGAGAAAGCCCTGGGCGCCCGTGT 96
DB 1384 GAGCGACATCAACCTGTGCTGACGACGCTCGGGCGCGTGATGACGCTGCTCGCGACAT 1443
QY 97 GGTGAGACCTCCGGAGAAGAGCAGCAGCTGGTGTGCTGTTCCCTGTCAGAAAGCGAA 156
DB 1444 GGGGAGAGAGGTCGCAAGCGCAGTACAGACGTTGGCGCGCTTCGGGACATCGAAGCTGAC 1503
QY 157 ACTCTTGACACCCGAGAGAAAGCCACGAGTCAAGGCGAGGGGCCCATCTTCACAGGCAC 216
DB 1504 GTTCATCTCTGAAGACTCGTTGGCGGAACTGGAAGACGTTTCATGATCGCAGCTGTGAG 1563
QY 217 CAAGGCTGTGATGAGACGAGACACCGTGGGCGCGCTGCTCTCAGTCCAGAGCCGACCA 276
DB 1564 CCCGAGCGGCTGTAATCTAGAGAGAGCGCTGAGCAGCAGCTGCGGTACGCGTGGCGGCG 1623
QY 277 TGACAGCCTGTACACCTCCGCTGAGAGAGCAGCAGGCGAGAGAGGCGCGG 330
DB 1624 CGACATTGTGAATGTTGCGCAGGTGAACAGAGACCGCGCGCAGCGCGGATCCG 1677

RESULT 11
US-09-134-246-8
; Sequence 8, Application US/09134246B
; Patent No. 6207377
; GENERAL INFORMATION:
; APPLICANT: Mayne, Jay
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method for Construction of Thermus-F. coli Shuttle
; TITLE OF INVENTION: Vectors and Identification of Two Thermus Plasmids
; TITLE OF INVENTION: Replication Origins

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Matches 114;	Conservative	0;	Mismatches 130;	Indels	0;
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QY	139	CCCTGTCCAGAAAGCCGAACCTTGTACCACCCGAGGAGAACCCAGAGTCAAGGCGAGGGG	198		
Db	237	GCGGCTGGAGCTGTGCTGTATGTCCAAAGGGGCTGATCAGAGGCGACACTGTTCATGTGACGCC	178		
QY	199	CCCCATCTTCCAGGACCAAGCGCTGTGATGAGACCGACACACTTGGGGCGGTGTCTT	258		
Db	177	CATCTGTGTCCCGAGGGGTCTTACTGTGCTTCCGAGAAAGCTGTGACGCCAGCTTTCACCA	118		
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RESULT 14
US-09-091-058-1
Sequence 1, Application US/09091058
Patent No. 6054285
GENERAL INFORMATION:
APPLICANT: Hemmings, Brian A.
APPLICANT: Frech, Mathias
TITLE OF INVENTION: Screening Method
FILE REFERENCE: 4-20683/20684/PCT
CURRENT APPLICATION NUMBER: US/09/091,058
CURRENT FILING DATE: 1998-06-10
EARLIER APPLICATION NUMBER: PCT/EP96/0481
EARLIER FILING DATE: 1996-11-05
EARLIER APPLICATION NUMBER: 9525703.6
EARLIER FILING DATE: 1995-12-15
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2610
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS

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GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd

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Page foot score:	470

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                  Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query	Match	length	DB	ID	Description
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	2	176	36.7	149	2	US-08-815-175-3	Sequence 3, Appl	
	3	87.5	18.3	617	1	US-08-137-614A-26	Sequence 26, Appl	
	4	87.5	18.3	637	3	US-08-072-064-1	Sequence 1, Appl	
	5	87.5	18.3	637	3	US-08-072-064-4	Sequence 4, Appl	
	6	87.5	18.3	637	3	US-08-072-064-6	Sequence 6, Appl	
	7	87.5	18.3	637	3	US-08-072-064-8	Sequence 8, Appl	
	8	87.5	18.3	637	5	PCT-US93-08558-1	Sequence 11, Appl	
	9	82	17.2	1128	4	US-09-627-6508-11	Sequence 11, Appl	
	10	82	17.2	1128	4	US-09-436-063C-11	Sequence 11, Appl	
	11	81.5	17.1	2088	4	US-09-548-372D-13	Sequence 13, Appl	
	12	81.5	17.1	2088	4	US-09-548-367D-13	Sequence 13, Appl	

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C	14	79	16.6	1652	4	US-09-436-0630-1	Sequence 1, Appli
C	15	78.5	16.4	1285	4	US-09-149-876-470	Sequence 470, Appli
C	16	78.5	16.4	696	3	US-08-306-865-4	Sequence 4, Appli
C	17	78.5	16.4	696	4	US-09-129-668-4	Sequence 4, Appli
C	18	76.5	16.0	335	2	US-08-775-009-37	Sequence 37, Appli
C	19	76.5	16.0	335	2	US-08-712-948-1	Sequence 17, Appli
C	20	76.5	16.0	801	1	US-07-506-4799-6	Sequence 6, Appli
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C	22	76	15.9	708	1	US-08-818-823-8	Sequence 8, Appli
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C	25	76	15.9	1068	1	US-08-386-479B-12	Sequence 12, Appli
C	26	76	15.9	1068	1	US-08-818-823-12	Sequence 12, Appli
C	27	76	15.9	1075	5	PCT-US94-07297-41	Sequence 41, Appli
C	28	76	15.9	2508	4	US-09-627-6508-7	Sequence 7, Appli
C	29	76	15.9	2508	4	US-09-436-0630-7	Sequence 7, Appli
C	30	76	15.9	2544	4	US-09-627-6508-3	Sequence 3, Appli
C	31	76	15.9	2544	4	US-09-436-0630-3	Sequence 3, Appli
C	32	76	15.9	2601	4	US-09-627-6508-9	Sequence 9, Appli
C	33	76	15.9	2601	4	US-09-436-0630-9	Sequence 9, Appli
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C	35	75.5	15.8	262	3	US-09-656-450-14	Sequence 14, Appli
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C	38	73	15.3	90	4	US-09-314-268-136	Sequence 136, Appli
C	39	73	15.3	446	1	US-07-952-800-4	Sequence 4, Appli
C	40	72.5	15.2	446	1	US-08-102-942A-4	Sequence 4, Appli
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C	42	72.5	15.2	1409	4	US-08-630-915A-37	Sequence 37, Appli
C	43	72.5	15.1	1442	2	US-08-316-650-12	Sequence 12, Appli
C	44	72.5	15.1	1442	5	PCT-US95-02251-12	Sequence 12, Appli
C	45	72	15.0	220	4	US-09-220-528-26	Sequence 26, Appli

ALIGNMENTS

RESULT 1
US-08-815-175-1
Sequence 1, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 151 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: PANTU02
;; CLONE: 2235738
US-08-815-175-1

Alignment Scores:
Pred. No.: 2,63e-28 Length: 151
Score: 340.00 Matches: 65
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 70.98% Indels: 0
DB: 2 Gaps: 0

US-09-049-695A-23 (1-249) x US-08-815-175-1 (1-151)

OY 55 ATGAGAGAGCTCTCTGTCACACAGCTGTGTCCTGTCGTGGAGGACAGTGCA 114
|||||
DB 1 MetArgArgLeuLeuValThrSerLeuValValLeuLeuTrpGlnAlaGlyAla 20
OY 115 GTCCAGACACCCAGAGTCCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGAC 174
|||||
DB 21 ValProAlaProLeuValProLeuLeuMetGlnValLysHisTrpSerGlnGlnAsp 40

OY 175 CCAGAGAGGCTGGGGGCGCCGTGTGTGGAGCTCCGAGAGAGACAGACAGCTGGTG 234
|||||
DB 41 ProGlnLysAlaTrpGlnAlaArgValValGlnProProGlnLysAspAspGlnLeuVal 60

OY 235 GTGCTGTTCCTGTC 249
|||||
DB 61 ValLeuPheProVal 65

RESULT 2
US-08-815-175-3
; Sequence 3, Application US/08815175
; Patent No. 5856139
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: IBM Compatible
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/815,175
; FILING DATE: Filed Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0225 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166

;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 149 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: GenBank
;; CLONE: 899433
US-08-815-175-3

Alignment Scores:
Pred. No.: 6.16e-11 Length: 149
Score: 176.00 Matches: 36
Percent Similarity: 67.19% Conservative: 7
Best Local Similarity: 56.25% Mismatches: 21
Query Match: 36.74% Indels: 0
DB: 2 Gaps: 0

US-09-049-695A-23 (1-249) x US-08-815-175-3 (1-149)

OY 55 ATGAGAGAGCTCTCTGTCACACAGCTGTGTCCTGTCGTGGAGGACAGTGCA 114
|||||
DB 1 MetLysArgPheLeuLeuAlaThrCysLeuValAlaAlaLeuLeuTrpGlnAlaGlyAla 20

OY 115 GTCCAGACACCCAGAGTCCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGAC 174
|||||
DB 21 ArgProAlaHisGlnValProValLysThrLysGlyHisValPheProGlnGlnLys 40

OY 175 CCAGAGAGGCTGGGGGCGCCGTGTGTGGAGCTCCGAGAGAGACAGACAGCTGGTG 234
|||||
DB 41 ThrGlnLysValTrpAspThrArgAlaLeuGlnProLeuGlnLysAspAsnGlnLeuGly 60

OY 235 GTGCTGTTCCT 246
|||
DB 61 ProLeuLeuPro 64

RESULT 3
US-08-137-614A-26
; Sequence 26, Application US/08137614A
; Patent No. 5487976
; GENERAL INFORMATION:
; APPLICANT: Soderlund, David M.
; APPLICANT: Knipple, Douglas C.
; APPLICANT: Henderson, Joseph E.
; TITLE OF INVENTION: Gene Encoding An Insect
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,614A
; FILING DATE: 15-OCT-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Timian, Susan J.
; REGISTRATION NUMBER: 34,103
; REFERENCE/DOCKET NUMBER: 19603/120
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716)263-1636
; TELEFAX: (716)263-1600
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:


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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-4

Alignment Scores:
Pred. No.: 0.186 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 18.27% Indels: 19
DB: 3 Gaps: 4

US-09-049-695A-23 (1-249) x US-08-072-064-4 (1-637)
QY 12 TGCACCTCCCTGAGACACTCTCTACAGACGCCGAGCCACGACATGAGAGCTCTCTCT 71
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 498 CysSerIleValIGlyProLeuPheInGluValAlaPheIleValIHisAsp---ProIys 511
72 GGTCAACGACCTGTGGTGT-----GCTGCTGGGAGGACGAGGTGAGTCGCCAGC 122
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 517 AlaHisSerIysGlyGlyThrLeuGluIuAsnThrValaIasnGlyIaArgGlyGlyProGln 536
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 123 ACCCAAGTCCCTTATCAAGATGCAAGTCAAACTGCGCCTCACAAGACAGACGCCAGAA 18
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 537 SerHisGlyPro-----GlyProGlyIn 544
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 183 GGCCTGGGCGCCCG-----TGTGTGAGAGCTCCGGAGACGACGACGAGTGT 233
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 545 GlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGly 566
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 234 GGTGCTGTCCC 245
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 565 GlyGlyAspPro 568
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 6
US-08-072-064-6
Sequence 6, Application US/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPHD-00574

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1 TELECOMMUNICATION INFORMATION:
2 TELEPHONE: 415/705-8410
3 TELEFAX: 415/397-8338
4 INFORMATION FOR SEQ ID NO: 6:
5 SEQUENCE CHARACTERISTICS:
6 LENGTH: 637 amino acids
7 TYPE: AMINO ACID
8 TOPOLOGY: unknown
9 MOLECULE TYPE: peptide
10 US-08-072-064-6
11
12 Alignment Scores:
13 Pred. NO.: 0.186 Length: 637
14 Score: 87.50 Matches: 26
15 Percent Similarity: 40.48% Conservative: 8
16 Best local Similarity: 30.95% Mismatches: 31
17 Query Match: 18.27% Indels: 19
18 DB: 3 Gaps: 4
19
20 US-09-049-695A-23 (1-249) x US-08-072-064-6 (1-637)
21
22 QY 12 TGCAGCTCCTGAGACACTCTTACAGAGACCCGAGCCACATGAGAGGCTCTCT 71
23 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
24 Db 498 CyssefllleValIglYProleuPheclngIuValArphelysValIhIsaSP---ProIys 516
25 ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
26 QY 72 GGTCAACGACCGCTGTGTGTG-----GCTCTGTGGAGGAGCGAGTGCATCCAGC 122
27 ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
28 Db 517 AlahisserylsgIglYThlreuglWasnthrValAsniglYArYargIglYlProGln 536
29 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
30 QY 123 ACCCAAGTCTCCCTTCAAGATGCAAGTCMAACACTGGCCCTCAAGAGACACCCAGAA 182
31 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
32 Db 537 SerIhslgYPro-----GlyProIglYln 544
33 :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
34 QY 183 GGCCTGGGCGCCCG-----TGTGTGAGACCTCCGGAAGAGACGACAGCTGT 233
35 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
36 Db 545 GlyglYglYProProglYglYglYglYglYglYglYglYglYglYglYglYglYglY 564
37 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
38 QY 234 GGTGCTGTCCC 245
39 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
40 Db 565 GlyglYAsPro 568
41 ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
42
43 RESULT 7
44 US-08-072-064-8
45 Sequence 8, Application US/08072064
46 Patent No. 6008046
47
48 GENERAL INFORMATION:
49 APPLICANT: FRENCH-CONSTANT, RICHARD H.
50 APPLICANT: JACKSON, MEYER B.
51 TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
52 NUMBER OF SEQUENCES: 20
53 CORRESPONDENCE ADDRESS:
54 ADDRESSEE: PETER G. CARROLL
55 STREET: 220 Montgomery Street, Suite 2200
56 CITY: San Francisco
57 STATE: California
58 COUNTRY: United States of America
59 ZIP: 94104
60
61 COMPUTER READABLE FORM:
62 MEDIUM TYPE: Floppy disk
63 COMPUTER: IBM PC compatible
64 OPERATING SYSTEM: PC-DOS/MS-DOS
65 SOFTWARE: PatentIn Release #1.0, Version #1.25
66 CURRENT APPLICATION DATA:
67 APPLICATION NUMBER: US/08/072.064
68 FILING DATE: 19930602
69 CLASSIFICATION: 435
70 PRIOR APPLICATION DATA:
71 APPLICATION NUMBER: US 770,881
72 FILING DATE: 04-OCT-1991
73 ATTORNEY/AGENT INFORMATION:
74 NAME: CARROLL, PETER G.
75 REGISTRATION NUMBER: 32,837
76 REFERENCE/DOCKET NUMBER: OPHD-00574

```

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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-8

Alignment Scores:
Pred. No.: 0.186 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 18.27% Indels: 19
DB: Gaps: 4

US-09-049-695a-23 (1-249) x US-08-072-064-8 (1-637)

QY 12 TGCAGCTCCCTGACGACCTCTACAGAGCGCGACCCAGACATGAGAGGCTCTCTCT 71
Db 498 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisAsp---ProLys 516
QY 72 GGTACACGACCTGGTGGTGT-----GCTGCTGGAGAGCAGTGCATCCACG 122
Db 517 AlaHisSerIysGlyIleuGluAsnThrValAsnGlyIleYrGlyProGln 536
QY 123 ACCCAAGTCCCTATCAAGATGCAGTCAAAACACTGCGCTCAGACGAGACCCAGAGA 182
Db 537 SerHisGlyPro-----GlyProGlyGln 544
QY 183 GGCCTGGGCGCGCG-----TGTGTGAGAGCTCCGGAGAGACGACGAGTGTGT 233
Db 545 GlyIleGlyProProGlyGlyIleGlyIleGlyIleGlyIleGlyIleProGlyGly 564
QY 234 GGTGCTGTTC 245
Db 565 GlyIleYAspPro 568

RESULT 8
PCT-US92-08558-1
Sequence 1, Application PC/TUS9208558
GENERAL INFORMATION:
APPLICANT: Cornell Research Foundation, Inc.
TITLE OF INVENTION: MOLECULAR CLONING AND TRANSFORMATION OF CYCLODIENE RESISTANCE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytop Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/08558
FILING DATE: 19921002
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/770,881
FILING DATE: October 4th 1991
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
REFERENCE/DOCKET NUMBER: CRF D-1052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951

```

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TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
POSITION IN GENOME: III
CHROMOSOME/SEGMENT: III
MAP POSITION: approximately map unit 26
PCT-US92-08558-1

Alignment Scores:
Pred. No.: 0.186 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 18.27% Indels: 19
DB: Gaps: 4

US-09-049-695a-23 (1-249) x PCT-US92-08558-1 (1-637)

QY 12 TGCAGCTCCCTGACGACCTCTACAGAGCGCGACCCAGACATGAGAGGCTCTCTCT 71
Db 498 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisAsp---ProLys 516
QY 72 GGTACACGACCTGGTGGTGT-----GCTGCTGGAGAGCAGTGCATCCACG 122
Db 517 AlaHisSerIysGlyIleuGluAsnThrValAsnGlyIleYrGlyProGln 536
QY 123 ACCCAAGTCCCTATCAAGATGCAGTCAAAACACTGCGCTCAGACGAGACCCAGAGA 182
Db 537 SerHisGlyPro-----GlyProGlyGln 544
QY 183 GGCCTGGGCGCGCG-----TGTGTGAGAGCTCCGGAGAGACGACGAGTGTGT 233
Db 545 GlyIleGlyProProGlyGlyIleGlyIleGlyIleGlyIleGlyIleProGlyGly 564
QY 234 GGTGCTGTTC 245
Db 565 GlyIleYAspPro 568

RESULT 9
US-09-627-650B-11
Sequence 11, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:
APPLICANT: Bamber, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Methods Related Thereto
FILE REFERENCE: 21101.000903
CURRENT APPLICATION NUMBER: US/09/627,650B
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 1128
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-11

Alignment Scores:
Pred. No.: 0.784 Length: 1128
Score: 82.00 Matches: 28
Percent Similarity: 48.31% Conservative: 15
Best Local Similarity: 31.46% Mismatches: 38

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OY 32 GAGGTGCTCAGGGAGGCTGAGTGGCT 6
Db 1120 AAlaAlaAlaAlaAlaAlaAlaAla 1128

RESULT 11
US-09-548-372D-13
: Sequence 13. Application US/09548372D
: Patent No. 6420534
: GENERAL INFORMATION:
: APPLICANT: GURNEY ET AL.
: TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USE
: TITLE OF INVENTION: THEREOF
: FILE REFERENCE: 28915/62801
: CURRENT APPLICATION NUMBER: US/09/548, 372D
: PRIOR FILING DATE: 2000-04-12
: PRIOR APPLICATION NUMBER: US 60/155,493
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: US 09/404,133
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: PCT/US99/20881
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: US 60/101,594
: NUMBER OF SEQ ID NOS: 73
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 13
: LENGTH: 2088
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-548-372D-13

Alignment Scores:
Pred. No.: 0.983 Length: 2088
Score: 81.50 Matches: 23
Percent Similarity: 44.78% Conservative: 7
Best Local Similarity: 34.33% Mismatches: 19
Query Match: 17.09% Indels: 18
DB: 4 Gaps: 2

US-09-049-695A-23 (1-249) x US-09-548-372D-13 (1-2088)
OY 215 TCCGAGAGCTCCACACACAGCGGCCCTTCCTGCTGCTGAGGGCAG 156
Db 1743 ThrGlyGlyGlyThrGlyAlaCysAlaAlaAlaThrAlaThrCysAlaAlaGlyAla 1762
OY 155 TGT-----TTGACTTGATCTTGATAGGAGACTTGGGTGCTGGC 117
Db 1763 CysGlyGlyAlaGlyGlyAlaGlyAlaGlyAlaThrCysThrGlyAlaAlaGlyThrGly 1782
OY 116 ACTGCACCTGCTCCACACAGCAGCACACACACAGGCTGGTGACAGAGAGAGGCTCTTC 57
Db 1783 AlaAlaGlyAla-----Thr-GlyGlyAlaThrG1 1792
OY 56 ATGTCGTGGGCGCGCGTCT 38
Db 1792 yCysAlaGlyAlaAlaThr 1798

RESULT 12
US-09-548-367D-13
: Sequence 13. Application US/09548367D
: Patent No. 6440698
: GENERAL INFORMATION:
: APPLICANT: GURNEY ET AL.
: TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USE
: TITLE OF INVENTION: THEREOF
: FILE REFERENCE: 28915/6280H
: CURRENT APPLICATION NUMBER: US/09/548, 367D
: PRIOR FILING DATE: 2000-04-12
: PRIOR APPLICATION NUMBER: US 60/155,493
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: US 09/404,133
: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: PCT/US99/20881

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: PRIOR FILING DATE: 1999-09-23
: PRIOR APPLICATION NUMBER: 60/101,594
: PRIOR FILING DATE: 1998-09-24
: NUMBER OF SEQ ID NOS: 73
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 13
: LENGTH: 2088
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-548-367D-13

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Pred. No.:	0.983	Length:	2088
Score:	81.50	Matches:	23
Percent Similarity:	44.78%	Conservative:	7
Best Local Similarity:	33.33%	Mismatches:	19
Query Match:	17.05%	Indels:	18
DB:	4	Gaps:	2

US-09-049-695A-23 (1-249) x US-09-548-367D-13 (1-2088)

QY 215 TCCGGAGGCTCCACACACACGGGGCCGCCCTTCTCTGGGTCCTGAGGGCCAG 156
:::||||| ||||| ||| :: ::|||:: |||
Db 1743 ThrGlyGlyGlyThrThrGlyAlaCysAlaAlaAlaThrAlaThrCysAlaAlaGlyAla 176

QY 155 TGT-----TTGACTTGCATCTTGATAGGACCTTGGGTGCTGG 117
||| ||||| ||| ||| |||
Db 1763 CysgIyglYalacIyglYalacIyAlatHrcCysThrcIyAlaIacIyThrcIy 1782

OY 116 ACTGCACCTGCGCTCCACAGCAGCACCAACCACCGGTGGTGACCCAGGAGGACGCCCTTC 57
||| |||
Db 1783 AlaAlaGlyAla-----Thr-GlyGlyAlaIrnGl 1792
|||||:::

QY	56	ATGTC	GGG	TC	CGG	CTCT	38
				:::		:::	
Db	1792	YCYS	Ala	Gl	Ala	Ala	Thr 1798

RESULT 13
US-09-627-650B-1
; Sequence 1, Application US/09627650B

```

: GENERAL INFORMATION:
: APPLICANT: Bamberg, Bruce
: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Methods Related Thereto
: FILE REFERENCE: 21101.00090U3

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Alignment Scores:	
Pred. No.:	1.74
Score:	79.00
Percent Similarity:	48.31%
Best Local Similarity:	31.46%
Query Match:	16.36%
DB:	4
Gaps:	4
Length:	1652
Matches:	28
Conservative:	15
Mismatches:	38
Indels:	8
Gaps:	4

US-09-049-695A-23 (1-249) x US-09-627-650B-1 (1-1652)

QY 248 ACAGGACACGACCACCAGCTGTCTCCTTCC-----GGAGGCTCACCCACACCG 195
||||| ::|||::|::| ::|::| |||||::|::|

[illegible]

RESULT 14
US-09-436-063C-1
; Sequence 1, Application US/09436063C

ADDITIONAL COMMENTS: BIRTH

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: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Methods Related Thereto
: FILE REFERENCE: P-1095corrected

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; CURRENT FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107727
 ; PRIOR FILING DATE: 1998-11-09

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1652

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; ORGANISM: Caenorhabditis elegans
US-09-436-063C-1

Pred. NO.:	1,74	Length:	1652
Score:	79,00	Matches:	28
Percent Similarity:	48,31%	Conservative:	15
Best local Similarity:	31,45%	Mismatches:	38
Query Match:	16,56%	Indels:	8
DB:	4	Gaps:	4

US-09-049-695A-23 (1-249) x US-09-436-063C-1 (1-1652)

Qy 248 ACAGGGAAACAGCACCACCAGTGGTGTCTTCTCC-----GGAGGCTCCACCACACGG 195
 ||||| ::|||::: ::::: |||||::|||
 Db 1541 ThcIyAlaThrThrAlaThrThrThrThrAlaCysIyGlyAlaThrThrThr 1566

```

Qy 194 -----GGCCCCCAGGCCCTTCTCTGGGTCCTGCTCTGAGGCCAG---TGTTTG 150
      ||      ||      ||      ||      ||      ||      ||      ||
Db 1561 ThrThralglAlaThralAlaAlaThrglycysAlaCysAlaCysAlaThrglycys 1580

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QY 149 ACCTGCATCTGAAVAGG---ACCTTGGGTCGTGGAGCTGCACCTGCTCCACAGCAGCAGC 93
      |||||      |||      |||      |||||      |||::      :::::
Db 1581 ThrcysAlaThrThrGlyCysThrcysAlaAlaAlaThrAlaAlaAlaThrThrAla 1600
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QY 92 ACACACACAGGCTGGTGACACAGAGAGCCCTCCATGTGTGGGCTCCGCGTCTGTGA 33
||||||| ||| ::| ::|
Db 1601 ThTThrThrAlaAlaIaThrThrGlyThrCysGlyAlaAlaAlaAlaAlaAlaAla 1620

QY	32	GAGAGTCTCAGGAGCTGCAGTGCT	6
	:::		
Db	1621	AlaAlaAlaAlaAlaAlaAlaAla	1629

RESULT 15
US-09-149-476-470
; Sequence 470, Application US/09149476

[illegible]

RESULT 14
US-09-436-063C-1
; Sequence 1, Application US/09436063C

ADDITIONAL COMMENTS: BIRTH

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: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Methods Related Thereto
: FILE REFERENCE: P-1095corrected

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; CURRENT FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107727
 ; PRIOR FILING DATE: 1998-11-09

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1652

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; ORGANISM: Caenorhabditis elegans
US-09-436-063C-1

Pred. NO.:	1,74	Length:	1652
Score:	79,00	Matches:	28
Percent Similarity:	48,31%	Conservative:	15
Best local Similarity:	31,45%	Mismatches:	38
Query Match:	16,56%	Indels:	8
DB:	4	Gaps:	4

US-09-049-695A-23 (1-249) x US-09-436-063C-1 (1-1652)

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Qy  248 ACAGGGAAACAGCACCACCAGTGGTGTCTTCTCC-----GGAGGCTCCACCACACGG 195
      ||||| ::|||::: ::::: |||||:|||||
Db  1541 Thc1yAlaThrThrAlaThrThrThrThrAlaCysGlyGlyAlaThrThrThr 1566

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Qy  194 -----GGCCCCCAGGCCCTTCTCTGGGTCCTGCTCTGAGGCCAG---TGTTTG 150
      ||      ||      ||      ||      ||      ||      ||      ||
Db  1561 ThTThraIglAthaIraIaIaThrgIcysaIcysaIaIglAthaIThrgIcyscys 1580

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QY 149 ACCTGCATCTGAAAGG---ACCTTGGGTCGTGGAGCTGCACCTGCTCCACAGCAGCAGC 93
      |||||      |||      |||      |||||      |||::      :::::
Db 1581 ThrcysAlaThrThrGlyCysThrcysAlaAlaAlaThrAlaAlaAlaThrThrAla 1600
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QY 92 ACACACACAGGCTGGTGACACAGAGAGCCCTCCATGTGTGGGCTCCGCGTCTGTGA 33
||||||| ||| ::| ::|
Db 1601 ThTThrThrAlaAlaIaThrThrGlyThrCysGlyAlaAlaAlaAlaAlaAlaAla 1620

QY	32	GAGAGTCTCAGGAGCTGCAGTGCT	6
	:::		
Db	1621	AlaAlaAlaAlaAlaAlaAlaAla	1629

RESULT 15
US-09-149-476-470
; Sequence 470, Application US/09149476

Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
EARLIER FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
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EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,588

Db 59 TriptoserleuProalrItrpValserValPheMrhgrMtsanrMgIserTrpCys 78
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 Search completed: April 21, 2003, 13:27:11
 Job time : 7.86929 secs

1	EARLIER FILING DATE: 1997-05-23
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5	EARLIER FILING DATE: 1997-05-23
6	EARLIER APPLICATION NUMBER: 60/047,590
7	EARLIER FILING DATE: 1997-05-23
8	EARLIER APPLICATION NUMBER: 60/047,594
9	EARLIER FILING DATE: 1997-05-23
10	EARLIER APPLICATION NUMBER: 60/047,589
11	EARLIER FILING DATE: 1997-05-23
12	EARLIER APPLICATION NUMBER: 60/047,593
13	EARLIER FILING DATE: 1997-05-23
14	EARLIER APPLICATION NUMBER: 60/047,614
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18	EARLIER APPLICATION NUMBER: 60/043,576
19	EARLIER FILING DATE: 1997-04-11
20	EARLIER APPLICATION NUMBER: 60/047,501
21	EARLIER FILING DATE: 1997-05-23
22	EARLIER APPLICATION NUMBER: 60/043,670
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25	EARLIER FILING DATE: 1997-08-22
26	EARLIER APPLICATION NUMBER: 60/056,664
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36	EARLIER APPLICATION NUMBER: 60/056,862
37	EARLIER FILING DATE: 1997-08-22
38	EARLIER APPLICATION NUMBER: 60/056,887
39	EARLIER FILING DATE: 1997-08-22
40	EARLIER APPLICATION NUMBER: 60/048,964
41	EARLIER FILING DATE: 1997-06-06
42	EARLIER APPLICATION NUMBER: 60/057,650
43	EARLIER FILING DATE: 1997-09-05
44	EARLIER APPLICATION NUMBER: 60/056,884
45	EARLIER FILING DATE: 1997-08-22
46	EARLIER APPLICATION NUMBER: 60/057,669
47	EARLIER FILING DATE: 1997-09-05
48	EARLIER APPLICATION NUMBER: 60/049,610
49	EARLIER FILING DATE: 1997-06-13
50	EARLIER APPLICATION NUMBER: 60/061,060
51	EARLIER FILING DATE: 1997-10-02

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANTUT02
CLONE: 225738
US-08-815-175-1

Alignment Scores:
Pred. No.: 5.96e-28 Length: 151
Score: 340.00 Matches: 65
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 68.83% Indels: 0
DB: 2 Gaps: 0

US-09-049-695a-1 (1-254) x US-08-815-175-1 (1-151)

QY 58 ATGAGAGAGCTCCCTGCTGTCACAGCCTGGTGTGCTGCTGTGGAGGACAGTGCA 117
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Db 1 MetArgArgLeuLeuValThrSerLeuValValValLeuLeuTrpGluAlaGlyAla 20
QY 118 GTCCAGACCCCAAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGGAC 177
|||||
Db 21 ValProAlaProLysValProIleLysMetGlnValLysHisTrpProSerGluGlnAsp 40
QY 178 CCAGAGAGGCTGGGGGGCCGCTGTGTGGAGCCTCGGAGAGGAGGACAGCAGTGTG 237
|||||
Db 41 ProGluLysAlaTrpGluAlaArgValValGluProGluLysAspAspGlnLeuVal 60
QY 238 GTGCTGTCCCTGTC 252
|||||
Db 61 ValLeuPheProVal 65

RESULT 2

US-08-815-175-3
Sequence 3, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PP-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 899433
US-08-815-175-3

Alignment Scores:
Pred. No.: 9.26e-11 Length: 149
Score: 176.00 Matches: 36
Percent Similarity: 67.19% Conservative: 7
Best Local Similarity: 35.25% Mismatches: 21
Query Match: 35.63% Indels: 0
DB: 2 Gaps: 0

US-09-049-695a-1 (1-254) x US-08-815-175-3 (1-149)

QY 58 ATGAGAGAGCTCCCTGCTGTCACAGCCTGGTGTGCTGCTGTGGAGGACAGTGCA 117
|||||
Db 1 MetLysArgPheLeuLeuAlaThrCysLeuValAlaAlaLeuLeuTrpGluAlaGlyAla 20
QY 118 GTCCAGACCCCAAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGGAC 177
|||||
Db 21 ArgProAlaHisGlnValProValLysThrLysGlyHisValAlaPheProGluGlnGlu 40
QY 178 CCAGAGAGGCTGGGGGGCCGCTGTGTGGAGCCTCGGAGAGGAGGACAGCAGTGTG 237
|||||
Db 41 ThrGluLysValThrPaspThrArgAlaLeuGluProLeuGluLysAspAspGlnLeu 60
QY 238 GTGCTGTCCCT 249
|||
Db 61 ProLeuLeuPro 64

RESULT 3

US-08-137-614A-26
Sequence 26, Application US/08137614A
Patent No. 5487976
GENERAL INFORMATION:
APPLICANT: Soderlund, David M.
APPLICANT: Knipple, Douglas C.
APPLICANT: Henderson, Joseph E.
TITLE OF INVENTION: Gene Encoding An Insect
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: USA
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/137,614A
FILING DATE: 15-OCT-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Timian, Susan J.
REGISTRATION NUMBER: 34,103
REFERENCE/DOCKET NUMBER: 19603/120
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716)263-1636
TELEFAX: (716)263-1600
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:

LENGTH: 617 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-137-614A-26

Alignment Scores:
Pred. No.: 0.137 Length: 617
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 1 Gaps: 4

US-09-049-695A-1 (1-254) x US-08-137-614A-26 (1-617)

QY 3 GGGATGACGACCTGCAGCTCCCTGACGACTCTCTACAGAGACCGGACCCGACATGAG 62
DB 473 GlyThrArgGlyCysSerIleValGlyProLeuPheGlnGluValArgPheIysValHis 492
QY 63 GAGGCTCTCTCTGTCACGACGCTGCTGTTGT-----GCTGCTGGGAGGAGG 113
DB 493 Asp---ProIysAlaHisSerIysGlyGlyThrLeuGluAsnThrValAsnGlyGlyArg 511
QY 114 TGCAGTCCACGACGACCAAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCA 173
DB 512 GlyGlyProGlnSerHisGlyPro----- 519
QY 174 GGCACCGAGAAAGGCTGGGCGCCCG-----TGTGTGGAGCTCCGAGAAGCA 224
DB 520 GlyProGlyGlnGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGly 539
QY 225 CGACGAGCTGTGTGCTGTTCCC 248
DB 540 ProProGlnGlyGlyGlyAspPro 547

RESULT 4
US-08-072-064-1

Sequence 1, Application US/08072064

Patent No. 6008046

GENERAL INFORMATION:

APPLICANT: FRENCH-CONSTANT, RICHARD H.

APPLICANT: JACKSON, MEYER B.

TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: PETER G. CARROLL

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/072,064

FILING DATE: 19930602

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 770,881

FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: OPND-00574

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/705-8410

TELEFAX: 415/397-8338

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
POSITION IN GENOME:
CHROMOSOME/SEGMENT: III; polytene subregion 66F
MAP POSITION: approximately map unit 26
US-08-072-064-1

Alignment Scores:
Pred. No.: 0.138 Length: 637
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 3 Gaps: 4

US-09-049-695A-1 (1-254) x US-08-072-064-1 (1-637)

QY 3 GGGATGACGACCTGCAGCTCCCTGACGACTCTCTACAGAGACCGGACCCGACATGAG 62
DB 494 GlyThrArgGlyCysSerIleValGlyProLeuPheGlnGluValArgPheIysValHis 513
QY 63 GAGGCTCTCTCTGTCACGACGCTGCTGTTGT-----GCTGCTGGGAGGAGG 113
DB 514 Asp---ProIysAlaHisSerIysGlyGlyThrLeuGluAsnThrValAsnGlyGlyArg 532
QY 114 TGCAGTCCACGACGACCAAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCA 173
DB 533 GlyGlyProGlnSerHisGlyPro----- 540
QY 174 GGCACCGAGAAAGGCTGGGCGCCCG-----TGTGTGGAGCTCCGAGAAGCA 224
DB 541 GlyProGlyGlnGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGly 560
QY 225 CGACGAGCTGTGTGCTGTTCCC 248
DB 561 ProProGlnGlyGlyGlyAspPro 568

RESULT 5

US-08-072-064-4

Sequence 4, Application US/08072064

Patent No. 6008046

GENERAL INFORMATION:

APPLICANT: FRENCH-CONSTANT, RICHARD H.

APPLICANT: JACKSON, MEYER B.

TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: PETER G. CARROLL

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: California

COUNTRY: United States of America

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/072,064

FILING DATE: 19930602

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 770,881

FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: OPND-00574

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-4

Alignment Scores:
Pred. No.: 0.138 Length: 637
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 3 Gaps: 4

US-09-049-695a-1 (1-254) x US-08-072-064-4 (1-637)

QY 3 GGATCAGCCAGCAGCTCCCTGAGCACTCTACAGACGCGGACCCAGACATGAG 62
||| ||||| ::| ||||| ::|
Db 494 GYTHrArGgLYCySSerlleValGlyProLeuPhGInGluValArgPhelysValHis 513
QY 63 GAGGCTCCTCCTGTCACCAAGCTGCTGTTGT-----GCTGCTGGAGGACAGG 113
::| ||| ||| ||||| |||||
Db 514 Asp---ProLYsAlAhIsSerLYsGlyThrLeuGluAsnThrValAsnGlyLYArg 532
QY 114 TGCAGTCCCAAGCAGGAGGCTCCCTATCAAGTGCAGATCAAAAGCTGGCCTGAGACA 173
||| ||| ||||| |||||
Db 533 GLYglYProGInSerHISglYPro----- 540
QY 174 GAGCCAGAGAGAGGCTGGGCGCCG-----TGTGTGAGAGCTCCGAGAGAGA 224
||||| ::||| ||| ||| ||||| ||| |||
Db 541 GLYProGInGlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGly 560
QY 225 CGACGAGCTGGTGGTGTCTCC 248
||| ||||| |||
Db 561 ProProGInGlyGlyAspPro 568

RESULT 6
US-08-072-064-6
Sequence 6, Application US/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FERRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072.064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPHD-00574

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-6

Alignment Scores:
Pred. No.: 0.138 Length: 637
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 3 Gaps: 4

US-09-049-695a-1 (1-254) x US-08-072-064-6 (1-637)

QY 3 GGATCAGCCAGCAGCTCCCTGAGCACTCTACAGACGCGGACCCAGACATGAG 62
||| ||||| ::| ||||| ::|
Db 494 GYTHrArGgLYCySSerlleValGlyProLeuPhGInGluValArgPhelysValHis 513
QY 63 GAGGCTCCTCCTGTCACCAAGCTGCTGTTGT-----GCTGCTGGAGGACAGG 113
::| ||| ||| ||||| |||||
Db 514 Asp---ProLYsAlAhIsSerLYsGlyThrLeuGluAsnThrValAsnGlyLYArg 532
QY 114 TGCAGTCCCAAGCAGGAGGCTCCCTATCAAGTGCAGATCAAAAGCTGGCCTGAGACA 173
||| ||| ||||| |||||
Db 533 GLYglYProGInSerHISglYPro----- 540
QY 174 GAGCCAGAGAGAGGCTGGGCGCCG-----TGTGTGAGAGCTCCGAGAGAGA 224
||||| ::||| ||| ||| ||||| ||| |||
Db 541 GLYProGInGlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGly 560
QY 225 CGACGAGCTGGTGGTGTCTCC 248
||| ||||| |||
Db 561 ProProGInGlyGlyAspPro 568

RESULT 7
US-08-072-064-8
Sequence 8, Application US/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FERRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072.064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPHD-00574

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/705-8338
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-8

Alignment Scores:
Pred. No.: 0.138 Length: 637
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 3 Gaps: 4

US-09-049-695a-1 (1-254) x US-08-072-064-8 (1-637)

QY 3 GGGATCAGCCACTGCGAGCTCCCTGAGCACTCTCTACAGAGACCGGACCCAGACATGAG 62
DB 494 GYTHrArgGLyCysSerIleValGIProleuPheGlnGluValArpPheIysValHis 513
QY 63 GAGGCTCCTCTCGTGCACCCAGCCTGTGGTGT-----GCTGCTGTGGAGGACAG 113
DB 514 Asp---ProIysAlaHisSerIysGlyThrLeuGluAsnThrValAsnGlyIatrg 532
QY 114 TGCAGTCCCGACGACCCAGGCTCCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCA 173
DB 533 GYGIYProGlnSerHisIlyPro----- 540
QY 174 GGACCCAGAGAGGCTGGGGCGCCG-----TGTGTGAGACCTCCGAGAGAGA 224
DB 541 GYProGlnGlyGlnGlyIlyProProGlnGlyGlyGlyGlyGlyGlyGlyGly 560
QY 225 CGACCACTGTGTGTCTGTTCCTCC 248
DB 561 ProProGlnGlyGlyGlyAspPro 568

RESULT 8
PCT-US92-08558-1
Sequence 1, Application PC/TUS9208558
GENERAL INFORMATION:
APPLICANT: Cornell Research Foundation, Inc.
TITLE OF INVENTION: MOLECULAR CLONING AND TRANSFORMATION OF CYCLODIENE RESISTANCE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Yahwak & Associates
STREET: 25 Skytop Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/08558
FILING DATE: 19921002
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/770,881
FILING DATE: October 4th 1991
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
REFERENCE/DOCKET NUMBER: CRF D-1052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951

TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
POSITION IN GENOME:
CHROMOSOME/SEGMENT: III
MAP POSITION: approximately map unit 26
PCT-US92-08558-1

Alignment Scores:
Pred. No.: 0.138 Length: 637
Score: 89.50 Matches: 27
Percent Similarity: 39.77% Conservative: 8
Best Local Similarity: 30.68% Mismatches: 34
Query Match: 18.12% Indels: 19
DB: 5 Gaps: 4

US-09-049-695a-1 (1-254) x PCT-US92-08558-1 (1-637)

QY 3 GGGATCAGCCACTGCGAGCTCCCTGAGCACTCTCTACAGAGACCGGACCCAGACATGAG 62
DB 494 GYTHrArgGLyCysSerIleValGIProleuPheGlnGluValArpPheIysValHis 513
QY 63 GAGGCTCCTCTCGTGCACCCAGCCTGTGGTGT-----GCTGCTGTGGAGGACAG 113
DB 514 Asp---ProIysAlaHisSerIysGlyThrLeuGluAsnThrValAsnGlyIatrg 532
QY 114 TGCAGTCCCGACGACCCAGGCTCCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCA 173
DB 533 GYGIYProGlnSerHisIlyPro----- 540
QY 174 GGACCCAGAGAGGCTGGGGCGCCG-----TGTGTGAGACCTCCGAGAGAGA 224
DB 541 GYProGlnGlyGlnGlyIlyProProGlnGlyGlyGlyGlyGlyGlyGlyGly 560
QY 225 CGACCACTGTGTGTCTGTTCCTCC 248
DB 561 ProProGlnGlyGlyGlyAspPro 568

RESULT 9
US-09-627-650B-11
Sequence 11, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
TITLE OF INVENTION: Methods Related Thereo
FILE REFERENCE: 21101.000903
CURRENT APPLICATION NUMBER: US/09/627,650B
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 1128
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-11

Alignment Scores:
Pred. No.: 0.929 Length: 1128
Score: 82.00 Matches: 28
Percent Similarity: 48.31% Conservative: 15
Best Local Similarity: 31.46% Mismatches: 38


```

PRIORITY FILING DATE: 1999-09-23
PRIOR APPLICATION NUMBER: US 60/101,594
PRIOR FILING DATE: 1998-09-24
NUMBER OF SEQ ID NOS: 73
SOFTWARE: Patentin version 3.1
SEQ ID NO 13
LENGTH: 2088
TYPE: PRT
ORGANISM: Homo sapiens
US-09-548-367D-13

Alignment Scores:
Pred. No.:
Score: 1.16 Length: 2088
Percent Similarity: 81.50 Matches: 23
Best Local Similarity: 44.784 Conservative: 7
Query Match: 34.338 Mismatches: 19
DB: 16.918 Indels: 18
Gaps: 2

US-09-049-695A-1 (1-254) x US-09-548-367D-13 (1-2088)
QY 218 TCCGAGAGCTCCACACACAGGGGCGCCACAGCCTTCTCGGCTCTGTAGGGCCAG 159
Db 1743 Thrlllylgllylthrrlthrglylalcysalaalaalathrlathrlylthrcly 1762
QY 158 TGT-----TTGACTTGTCATCTGTATGAGGACCTTGAGCTGCTGG 120
Db 1763 Cyselgylglalaglglglalaglathrcysfthrcysfthrclylthrcly 1782
QY 119 ACTGCACCTGCTCCACACAGCAGCACCACACAGGCTGTACACGAGGAGCCTCTC 60
Db 1783 AlaAlaAlaAla-----Thr-GlyGlyAlaAlaThrGl 1792
QY 59 ATGCTGGGGTCCGCGCT 41
Db 1792 yCysAlaGlAlaAlaAlaThr 1798

RESULT 13
US-08-712-948-1
Sequence 1, Application US/08712948
Patent No. 5850002
GENERAL INFORMATION:
APPLICANT: Korsmeyer, Stanley J.
TITLE OF INVENTION: HOX11 Gain and Loss of Function Murine
TITLE OF INVENTION: Models
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrea L. Pabst
STREET: 1100 Peachtree Street, Suite 2800
City: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,948
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/211,728
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: WU104
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404)-815-6508
TELEFAX: (404)-815-6555
INFORMATION FOR SEQ ID NO: 1:

```

```

: SEQUENCE CHARACTERISTICS:
: LENGTH: 333 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEetical: NO
: ANTI-SENSE: NO
: FRAGMENT TYPE: N-terminal
: ORIGINAL SOURCE:
: ORGANISM: Murine
: US-08-712-948-1

Alignment Scores:
Pred. No.: 1.38 Length: 333
Score: 79.50 Matches: 26
Percent Similarity: 38.67% Conservative: 3
Best Local Similarity: 34.67% Mismatches: 29
Query Match: 16.09% Indels: 17
DB: 2 Gaps: 3

US-09-049-695A-1 (1-254) x US-08-712-948-1 (1-333)
OY 72 CTGTGTCACAGCCCTGTGGTGTCTGCTGTGGAGGACAGTGCACATCCAGACCCAA 131
||||| ||| ||||| |||||
Db 79 ProglyglyProglyglyProAlaGlyGlyGlyGlyAlaCys-----Met 95
OY 132 GGTCCCTATCAAGATGCA--AGTCAAACACTGGCCCTCAGAGCAGACCCACAGAAGC 188
||||| : : : : : ||||| |||||
Db 96 GlyProLeuProGlySerTyrAsnValAsnMetAlaLeuAlaGlyGlyProGly 115
||||| : : : : : ||||| |||||
OY 189 CTGGCGCCCGCTGTGTGGAGCCCTCCGAGAAAGA-----224
||| ||||| ||| |||
Db 116 GlyGlyGlyGlyGlyGlyGlyGlyAlaGlyGlyAlaLeuSerAlaAlaGlyValIle 135
||| ||||| ||||| |||||
OY 225 -----CGACCAAGCTGTGGTGTCTGTCCTGCTGCA 254
||||| ||||| ||||| |||
Db 136 ArgValProAlaHisArgProLeuAlaGlyAlaValAlaHisPro 150

RESULT 14
US-09-627-650B-1
: Sequence 1, Application US/09627650B
: Patent No. 6406872
: GENERAL INFORMATION:
: APPLICANT: Bamber, Bruce
: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: TITLE OF INVENTION: Methods Related Thereto
: FILE REFERENCE: 21101.000803
: CURRENT APPLICATION NUMBER: US/09/627,650B
: PRIOR APPLICATION NUMBER: 09/436,063
: PRIOR FILING DATE: 1999-11-08
: PRIOR APPLICATION NUMBER: 60/107,127
: PRIOR FILING DATE: 1998-11-09
: NUMBER OF SEQ ID NOS: 50
: SOFTWARE: Patentln Ver. 2.1
: SEQ ID NO 1
: LENGTH: 1652
: TYPE: PRT
: ORGANISM: Caenorhabditis elegans
US-09-627-650B-1

Alignment Scores:
Pred. No.: 2.04 Length: 1652
Score: 79.00 Matches: 28
Percent Similarity: 48.31% Conservative: 15
Best Local Similarity: 31.46% Mismatches: 38
Query Match: 16.39% Indels: 8
DB: 4 Gaps: 4

US-09-049-695A-1 (1-254) x US-09-627-650B-1 (1-1652)

```


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OM nucleic - protein search, using frame_plus.n2p model

Run on: April 21, 2003, 11:34:28 ; Search time 6.15214 Seconds
(without alignments)
2496.490 Million cell updates/sec

Title: US-09-049-695A-2

Perfect score: 496

Sequence: 1 AGCCACTGCAGCTCCCTGAG.....GTCCGAGAGCCGAACTCTT 261

Scoring table:

BLOSUM62		
Xgapop 10.0 , Xgapext 0.5		
Ygapop 10.0 , Ygapext 0.5		
Fgapop 6.0 , Fgapext 7.0		
Delop 6.0 , Delext 7.0		

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+np.model -DEV=xlh
-O=/cgn2_1/USPRO_pool/US09049695/runat_15042003_094611_25684/app.query.fasta_1.2211
-DB=Issued-Patents_AA -QFMT=fastan -SUFFIX=np.ra1 -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=BITS -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALLIGN=200 -THR.SCORE=pct -THR.MAX=100 -THR.MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-USER=US09049695 @CGN1.1.50.@runat.15042003_094611_25684 -NCPU=6 -ICPU=3
-NO.XLPXY -NO.WMAP -LARGEQUERY -NEG.SCORES=0 -WAIT -LONGLOG -DEV_TIMEMOUT=120
-WARN_TIMEOUT=30 -THRRADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- 1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/1/1aa/PCITUS.COMB.pep.*
- 6: /cgn2_6/ptodata/1/1aa/Backfiles1.pep.*

Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	366	73.8	151	2	US-08-815-175-1
2	182	36.7	149	2	US-08-815-175-3
3	87.5	17.6	617	1	US-08-137-614A-26
4	87.5	17.6	637	3	US-08-072-064-1
5	87.5	17.6	637	3	US-08-072-064-4
6	87.5	17.6	637	3	US-08-072-064-6
7	87.5	17.6	637	3	US-08-072-064-8
8	87.5	17.6	637	5	PCT-US92-08558-1
9	82	16.5	1128	4	US-09-627-650B-11
10	82	16.5	1128	4	US-09-436-063C-11
11	81.5	16.4	333	2	US-08-712-948-1
12	81.5	16.4	696	3	US-08-906-865-4

13	81.5	16.4	696	4	US-09-129-668-4	Sequence 4, Appl
14	81.5	16.4	2088	4 <td>US-09-548-372D-13</td> <td>Sequence 13, Appl</td>	US-09-548-372D-13	Sequence 13, Appl
15	81.5	16.4	2088	4 <td>US-09-548-367D-13</td> <td>Sequence 13, Appl</td>	US-09-548-367D-13	Sequence 13, Appl
16	81	16.3	380	2 <td>US-09-026-587-4</td> <td>Sequence 4, Appl</td>	US-09-026-587-4	Sequence 4, Appl
17	81	16.3	380	2 <td>US-09-227-420-4</td> <td>Sequence 4, Appl</td>	US-09-227-420-4	Sequence 4, Appl
18	79	15.9	90	4 <td>US-09-314-268-136</td> <td>Sequence 136, App</td>	US-09-314-268-136	Sequence 136, App
19	79	15.9	330	2 <td>US-08-712-948-2</td> <td>Sequence 2, Appl</td>	US-08-712-948-2	Sequence 2, Appl
20	79	15.9	1652	4 <td>US-09-627-650B-1</td> <td>Sequence 1, Appl</td>	US-09-627-650B-1	Sequence 1, Appl
21	79	15.9	1652	4 <td>US-09-436-063C-1</td> <td>Sequence 1, Appl</td>	US-09-436-063C-1	Sequence 1, Appl
22	78.5	15.8	285	4 <td>US-09-149-476-470</td> <td>Sequence 470, App</td>	US-09-149-476-470	Sequence 470, App
23	78	15.7	708	1 <td>US-08-396-479B-8</td> <td>Sequence 8, Appl</td>	US-08-396-479B-8	Sequence 8, Appl
24	78	15.7	708	1 <td>US-08-818-823-8</td> <td>Sequence 8, Appl</td>	US-08-818-823-8	Sequence 8, Appl
25	78	15.7	739	1 <td>US-08-396-479B-10</td> <td>Sequence 10, Appl</td>	US-08-396-479B-10	Sequence 10, Appl
26	78	15.7	739	1 <td>US-08-818-823-10</td> <td>Sequence 10, Appl</td>	US-08-818-823-10	Sequence 10, Appl
27	78	15.7	1068	1 <td>US-08-396-479B-12</td> <td>Sequence 12, Appl</td>	US-08-396-479B-12	Sequence 12, Appl
28	78	15.7	1068	1 <td>US-08-818-823-12</td> <td>Sequence 12, Appl</td>	US-08-818-823-12	Sequence 12, Appl
29	78	15.7	1075	5 <td>PCT-US94-07287-41</td> <td>Sequence 41, Appl</td>	PCT-US94-07287-41	Sequence 41, Appl
30	78	15.7	2508	4 <td>US-09-627-650B-7</td> <td>Sequence 7, Appl</td>	US-09-627-650B-7	Sequence 7, Appl
31	78	15.7	2508	4 <td>US-09-436-063C-7</td> <td>Sequence 7, Appl</td>	US-09-436-063C-7	Sequence 7, Appl
32	78	15.7	2544	4 <td>US-09-627-650B-3</td> <td>Sequence 3, Appl</td>	US-09-627-650B-3	Sequence 3, Appl
33	78	15.7	2544	4 <td>US-09-436-063C-3</td> <td>Sequence 3, Appl</td>	US-09-436-063C-3	Sequence 3, Appl
34	78	15.7	2601	4 <td>US-09-627-650B-9</td> <td>Sequence 9, Appl</td>	US-09-627-650B-9	Sequence 9, Appl
35	78	15.7	2601	4 <td>US-09-436-063C-9</td> <td>Sequence 9, Appl</td>	US-09-436-063C-9	Sequence 9, Appl
36	77.5	15.6	543	4 <td>US-09-535-008-63</td> <td>Sequence 63, Appl</td>	US-09-535-008-63	Sequence 63, Appl
37	77.5	15.6	577	4 <td>US-09-535-008-67</td> <td>Sequence 67, Appl</td>	US-09-535-008-67	Sequence 67, Appl
38	77.5	15.6	1646	4 <td>US-09-535-008-61</td> <td>Sequence 61, Appl</td>	US-09-535-008-61	Sequence 61, Appl
39	77.5	15.6	1647	4 <td>US-09-535-008-2</td> <td>Sequence 2, Appl</td>	US-09-535-008-2	Sequence 2, Appl
40	77.5	15.6	1649	4 <td>US-09-535-008-75</td> <td>Sequence 75, Appl</td>	US-09-535-008-75	Sequence 75, Appl
41	77.5	15.6	1650	4 <td>US-09-535-008-71</td> <td>Sequence 71, Appl</td>	US-09-535-008-71	Sequence 71, Appl
42	77.5	15.6	1678	4 <td>US-09-535-008-69</td> <td>Sequence 69, Appl</td>	US-09-535-008-69	Sequence 69, Appl
43	77.5	15.6	1679	4 <td>US-09-535-008-65</td> <td>Sequence 65, Appl</td>	US-09-535-008-65	Sequence 65, Appl
44	77.5	15.6	1681	4 <td>US-09-535-008-77</td> <td>Sequence 77, Appl</td>	US-09-535-008-77	Sequence 77, Appl
45	77.5	15.6	1682	4 <td>US-09-535-008-73</td> <td>Sequence 73, Appl</td>	US-09-535-008-73	Sequence 73, Appl

ALIGNMENTS

RESULT 1
US-08-815-175-1
Sequence 1, Application US/08051575
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

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: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
:   LENGTH: 151 amino acids
:   TYPE: amino acid
:   STRANDEDNESS: single
:   TOPOLOGY: linear
: IMMEDIATE SOURCE:
:   LIBRARY: PANTCUT02
:   CLONE: 2235738
US-08-815-175-1

Alignment Scores:
Pred. NO.:      5.05e-30      Length:      151
Score:          366.00       Matches:      70
Percent Similarity: 100.00%   Conservative: 0
Best local Similarity: 100.00% Mismatches:    0
Query Match:      73.79%      Indels:       0
DB:               2          Gaps:         0

US-09-049-695A-2 (1-261) x US-08-815-175-1 (1-151)

QY      50  ATGAGGAGCGCTCCCTGGTGCACGAGCGCTGTTGCTGCTGGGAGCAGGTGCA 109
      1  MetatgaagdeuleuleuValtthSerleuValValValleuLeutrpGluatlaGlyla 20
QY      110 GTCCAGCAGCCCAAGAGTCCCTATCAAGATGCAGTCAACACTGCGCCCTCAGACAGGAC 169
      21  ValProlaIProLysValProlIleLysMetGlnValLysHstPrSerGlnGlnAsp 40
QY      170 CCAGGAAGGCGCTGGGGGGCGCGTGTGTGGAGCGCTCGGAGGAAGCAGCACAGTGTGTG 229
      41  ProGluLysAlaItrpGlyAlaItrValValGlnProProGluLysAspAspGlnLeuVal 60
QY      230 GTGCTGTCCCTGTCCAGAACCCGAAACTC 259
      61  ValLeuPheProValGlnLysProLysLeu 70
DB

RESULT 2
US-08-815-175-3
: Sequence 3, Application US/08815175
: Patent No. 5856139
: GENERAL INFORMATION:
:   APPLICANT: Lal, Preeti
:   APPLICANT: Hillman, Jennifer L.
:   APPLICANT: Goli, Surya K.
:   TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
:   NUMBER OF SEQUENCES: 3
:   CORRESPONDENCE ADDRESS:
:   ADDRESSEE: Incyte Pharmaceuticals, Inc.
:   STREET: 3174 Porter Drive
:   CITY: Palo Alto
:   STATE: CA
:   COUNTRY: US
:   ZIP: 94304
: COMPUTER READABLE FORM:
:   MEDIUM TYPE: Diskette
:   COMPUTER: IBM Compatible
:   OPERATING SYSTEM: DOS
:   SOFTWARE: FastSeq Version 2.0
:   CURRENT APPLICATION DATA:
:   APPLICATION NUMBER: US/08/815,175
:   FILING DATE: Filed Herewith
:   CLASSIFICATION: 424
:   PRIOR APPLICATION DATA:
:   APPLICATION NUMBER:
:   FILING DATE:
: ATTORNEY/AGENT INFORMATION:
:   NAME: Billings, Lucy J.
:   REGISTRATION NUMBER: 36,749
:   REFERENCE/DOCKET NUMBER: PF-0225 US
: TELECOMMUNICATION INFORMATION:
:   TELEPHONE: 415-855-0555
:   TELEFAX: 415-845-4166

```

```

? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 149 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? IMMEDIATE SOURCE:
? LIBRARY: Genbank
? CLONE: 899433
? US-08-815-175-3

Alignment Scores:
Pred. NO.:          4,43e-11      Length:      149
Score:              182.00        Matches:     38
Percent Similarity: 65.22%       Conservative: 7
Best Local Similarity: 55.07%    Mismatches: 24
Query Match:         36.69%      Indels:     0
DB:                  Gaps:        0

US-09-049-695A-2 (1-261) x US-08-815-175-3 (1-149)
QY   50 ATGAGGACGGCTCCCTCGTCGCAGCAGCCGTGTCGTCGTGGGAGGACAGTGCA 109
Db   1 MetLysAtgPheLeuLeuAlaThrcLysLeuAlaLaLaLeuLTrPGIuaISGIyAla 20
QY   110 GTCCGAGCACCCAAAGTCCCTATCAAGATGCAGTCAAACACTGACCCTCAGACGAGAC 165
Db   21 AtgProAlaHisGlInvalPrOvallystrLysGLySHisValAPheProGlUGlInGu 40
QY   170 CCAGGAGAGCGCTGGGGGGCGCGTGTGGAGCGCTCCGAGGAGGACGACACTGGTG 225
Db   41 ThrGUlysValtTPAsPrThrArgAlaleuGUlnProleuGUlnyASpASngImleuLy 60
QY   230 GTGCTGTCCCTGTCCAGAGACCGCAA 256
Db   61 ProleuLeuProGlUProLySGlnLys 69

RESULT 3
US-08-137-614A-26
; Sequence 26, Application US/08137614A
; Patent No. 5487976
; GENERAL INFORMATION:
; APPLICANT: Soderlund, David M.
; APPLICANT: Knipple, Douglas C.
; APPLICANT: Henderson, Joseph E.
; TITLE OF INVENTION: Gene Encoding An Insect
; TITLE OF INVENTION: Gamma-Aminobutyric Acid (GABA) Receptor Subunit
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,614A
; FILING DATE: 15-OCT-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Timian, Susan J.
; REGISTRATION NUMBER: 34,103
; REFERENCE/DOCKET NUMBER: 19603/120
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716)263-1636
; TELEFAX: (716)263-1600
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:

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LENGTH: 617 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-137-614A-26

Alignment Scores:
Pred. No.: 0.299 Length: 617
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
DB: 1 Gaps: 4

US-09-049-695A-2 (1-261) x US-08-137-614A-26 (1-617)

OY 7 TGCAGTCCCTGAGCAGCTCTTACAGACGCGAGCCAGACATGAGAGCTCTCT 66
DB 477 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisasp--ProLys 495
OY 67 GGTACACAGCTGTGCTGTGT-----GCTGCTGGAGAGCAGGTGCGAGTCCAGC 117
DB 496 AlaHisSerIysGlyGlyThrLeuGluAsnThrValAsnGlyGlyArgGlyProGln 515
OY 118 ACCCAAGTCCCTATTCAGATGCAAGTCAACACTGGCCCTCAGACAGACCCAGAGA 177
DB 516 SerHisGlyPro-----GlyProGlyGln 523
OY 178 GGCCTGGGGCGGCCG-----TGTGCTGGAGCCTCCGGAGAGAGCAGCAGCTG 228
DB 524 GlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyProGlyGly 543
OY 229 GGTGCTGTCCC 240
DB 544 GlyGlyAspPro 547

RESULT 4
US-08-072-064-1
Sequence 1, Application us/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPND-00574
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
POSITION IN GENOME:
CHROMOSOME/SEGMENT: III; polytene subregion 66F
MAP POSITION: approximately map unit 26
US-08-072-064-1

Alignment Scores:
Pred. No.: 0.301 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
DB: 3 Gaps: 4

US-09-049-695A-2 (1-261) x US-08-072-064-1 (1-637)

OY 7 TGCAGTCCCTGAGCAGCTCTTACAGACGCGAGCCAGACATGAGAGCTCTCT 66
DB 498 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisasp--ProLys 516
OY 67 GGTACACAGCTGTGCTGTGT-----GCTGCTGGAGAGCAGGTGCGAGTCCAGC 117
DB 517 AlaHisSerIysGlyGlyThrLeuGluAsnThrValAsnGlyGlyArgGlyProGln 536
OY 118 ACCCAAGTCCCTATTCAGATGCAAGTCAACACTGGCCCTCAGACAGACCCAGAGA 177
DB 537 SerHisGlyPro-----GlyProGlyGln 544
OY 178 GGCCTGGGGCGGCCG-----TGTGCTGGAGCCTCCGGAGAGAGCAGCAGCTG 228
DB 545 GlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyProProGlyGly 564
OY 229 GGTGCTGTCCC 240
DB 565 GlyGlyAspPro 568

RESULT 5
US-08-072-064-4
Sequence 4, Application us/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPND-00574

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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/7397-8338
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-4

Alignment Scores:
Pred. No.: 0.301 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
DB: gaps: 4

US-09-049-695A-2 (1-261) x US-08-072-064-4 (1-637)
Oy 7 TGACAGCTCCCTGAGCAGCACTCTTCACAGAGACCGGCCAGACATGAGAGGCTCCTCT 66
||| ||| :: |:::||::| ::|
Db 498 CysSerIleValIGlyProLeuPheGlnGluValAlaArgHelysValIHisAsp---ProLys 516
67 GGTACCAGCAGCTGGTGTGT-----GCTGCTGTGGAGGAGCAGTGCACTCCAGC 117
||| |||||
Db 517 AlaHisSerLySGlyGlyThrLeuGluaSnThrValAlasnGlyAlaArgGlyGlyProGln 536
118 ACCAGAGTCCCTTCACAAGATGCAAAGTCAAACACTGGCCCTCAGAGGAGGAGCACCCAGAGA 177
::: |||||Pro-----GlyProGlyGln 544
537 SerHisGlyPro-----GlyProGlyGln 544
178 GGCTGGGGCGCCGCG-----TGTGTGTGAGACCTCCGAGAGAAGCAGCAGCAGTGT 228
||| ||| ||| ||||| ||| ||| ||| |||
Db 545 GlyGlyGlyProproGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGly 564
Oy 229 GTGTCTTTCCC 240
||| ||| |||
Db 565 GlyGlyAspPro 568

RESULT 6
US-08-072-064-6
Sequence 6, Application US/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPHD-00574
```

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-6

Alignment Scores:
Pred. No.: 0.301 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
Db: 3 Gaps: 4

US-09-049-695A-2 (1-261) x US-08-072-064-6 (1-637)
Oy 7 TGCACCTCCAGACACTCTACAGAGACGCGACCCACACATGAGAGCTCTCT 66
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 498 CysSerIleValIglProLeuPheGlnValAlrGpHeuYsValIhAsp---ProLys 516
67 GGTACACGACCTGTGCTGTG-----GCTGCTGTGGAGGACGAGTCAGTCCAGC 117
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 517 AlaIhSerLysGlyIglYThLeuGluuAsnThValAsnGlyAlrYargIglYProGln 536
118 ACCCAAGGCTCCCTATCAAGATGCAAGTCAAMACACTGGCCCTCAAGACGACCCAGAA 177
::: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 537 SerIhsgLysPro-----GlyProGlyGln 544
178 GGCCTGGGCGCCCG-----TGtGTGAGACCTCCGAGAGAGCAcGAcGTGT 228
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 545 GlyIglYglYProGlnIglYglYglYglYglYglYglYglYglYglYglYglYglY 564
Oy 229 GGTGCTGTTCCC 240
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 565 GlyIglYAspPro 568

RESULT 7
US-08-072-064--8
Sequence 8, Application US/08072064
Patent No. 6008046
GENERAL INFORMATION:
APPLICANT: FRENCH-CONSTANT, RICHARD H.
APPLICANT: JACKSON, MEYER B.
TITLE OF INVENTION: DRUG AND PESTICIDE SCREENING
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETER G. CARROLL
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/072,064
FILING DATE: 19930602
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 770,881
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: OPHD-00574

```

```
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/705-8410
TELEFAX: 415/397-8338
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-072-064-8

Alignment Scores:
Pred. No.: 0.301 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
DB: 3 Gaps: 4

US-09-049-695a-2 (1-261) x US-08-072-064-8 (1-637)
QY 7 TGCAGCTCCCTGAGCACTCTTACAGAGCGCGACCCAGACATGAGAGCTCCTCT 66
DB 498 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisasp---ProLys 516
QY 67 GGTACACAGCCTGTGCTGTGT-----GCTGCTGTGGAGAGCAGTGCAGTCCAGC 117
DB 517 AlaHisSerIysGlyThrLeuGluAsnThrValAsnGlyIylarGlyProGln 536
QY 118 ACCCAAGTCCCTATCAGATGCAGTCAACACACTGCGCCCTCAGAGCAGACCCAGAGA 177
DB 537 SerHisGlyPro-----GlyProGlyGln 544
QY 178 GGCCTGGAGCGCCCG-----TGTGTGAGAGCTCCGAGAGAGAGACAGCTGTGT 228
DB 545 GlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyProGlyGly 564
QY 229 GGTGCTGTTCCC 240
DB 565 GlyGlyAspPro 568

RESULT 8
PCT-US92-08558-1
Sequence 1, Application PC/TUS9208558
GENERAL INFORMATION:
APPLICANT: Cornell Research Foundation, Inc.
TITLE OF INVENTION: MOLECULAR CLONING AND TRANSFORMATION OF CYCLODIENE RESISTANCE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSER: Yahwak & Associates
STREET: 25 Skytop Drive
CITY: Trumbull
STATE: Connecticut
COUNTRY: USA
ZIP: 06611
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/08558
FILING DATE: 19921002
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/770,881
FILING DATE: October 4th 1991
ATTORNEY/AGENT INFORMATION:
NAME: George M. Yahwak
REGISTRATION NUMBER: 26,824
REFERENCE/DOCKET NUMBER: CRF D-1052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203)268-1951
```

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TELEFAX: (203)268-1951
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 637 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Drosophila melanogaster
POSITION IN GENOME: III
MAP POSITION: approximately map unit 26
PCT-US92-08558-1

Alignment Scores:
Pred. No.: 0.301 Length: 637
Score: 87.50 Matches: 26
Percent Similarity: 40.48% Conservative: 8
Best Local Similarity: 30.95% Mismatches: 31
Query Match: 17.64% Indels: 19
DB: 5 Gaps: 4

US-09-049-695a-2 (1-261) x PCT-US92-08558-1 (1-637)
QY 7 TGCAGCTCCCTGAGCACTCTTACAGAGCGCGACCCAGACATGAGAGCTCCTCT 66
DB 498 CysSerIleValGlyProLeuPheGlnGluValArgPheIysValHisasp---ProLys 516
QY 67 GGTACACAGCCTGTGCTGTGT-----GCTGCTGTGGAGAGCAGTGCAGTCCAGC 117
DB 517 AlaHisSerIysGlyThrLeuGluAsnThrValAsnGlyIylarGlyProGln 536
QY 118 ACCCAAGTCCCTATCAGATGCAGTCAACACACTGCGCCCTCAGAGCAGACCCAGAGA 177
DB 537 SerHisGlyPro-----GlyProGlyGln 544
QY 178 GGCCTGGAGCGCCCG-----TGTGTGAGAGCTCCGAGAGAGAGACAGCTGTGT 228
DB 545 GlyGlyGlyProProGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyProGlyGly 564
QY 229 GGTGCTGTTCCC 240
DB 565 GlyGlyAspPro 568

RESULT 9
US-09-627-650B-11
Sequence 11, Application US/09627650B
Patent No. 6406872
GENERAL INFORMATION:
APPLICANT: Bamber, Bruce
APPLICANT: Jorgensen, Erik
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
FILE REFERENCE: 21101.000903
CURRENT APPLICATION NUMBER: US/09/627,650B
CURRENT FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 09/436,063
PRIOR FILING DATE: 1999-11-08
PRIOR APPLICATION NUMBER: 60/107,727
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 11
LENGTH: 1128
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-09-627-650B-11

Alignment Scores:
Pred. No.: 1.21 Length: 1128
Score: 82.00 Matches: 28
Percent Similarity: 48.31% Conservative: 15
Best Local Similarity: 31.46% Mismatches: 38
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Query Match:      16.53%      Indels:      8
DB:                4          Gaps:         4

US-09-049-695A-2 (1-261) x US-09-627-650B-11 (1-1128)

QY 243 ACAGGAGACACACACGCTGCTGCTCTCTCC-----GGAGGCTCCACACACAGG 190
      ||||| :|||||: : : : : : |||||: |||||
DB 1040 ThrglyalathrThrThrThrThrThrThrThrThrThrThrThrThrThr 1059
      ||||| :|||||: : : : : : |||||: |||||

QY 189 -----GGCCCCAGCCCTTCTCTGCTGCTGAGGGCAG---TGTGTG 145
      ||| :||| :|||: |||: |||
DB 1060 ThrThralaglyalathrThralaglyalaglyalaglyalaglyalagly 1079
      ||||| :|||||: : : : : : |||||: |||||

QY 144 ACTGCACTTGATAGG---ACCTGGGCTGCTGGAGCTGCACCTCCACAGCAGC 88
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 1080 ThrcysalathrThrglycysThrcysAlaAlaAlaAlaAlaAlaThrThrAla 1099
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

QY 87 ACAACACACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTA 28
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 1100 ThrThrThrThrThrAlaAlaThrThrglyThrcysAlaAlaAlaAlaAlaAla 1119
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

QY 27 GAGAGCTCTCAGGAGCTGCAGTGGCT 1
      :||| :||| :||| :||| :|||
DB 1120 AlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1128

RESULT 10
US-09-436-063C-11
: Sequence 11, Application US/09436063C
: Patent No. 6407210
: GENERAL INFORMATION:
: APPLICANT: Bamber, Bruce
: APPLICANT: Jorgensen, Erik
: TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
: FILE REFERENCE: P-1095corrected
: CURRENT APPLICATION NUMBER: US/09/436, 063C
: PRIOR FILING DATE: 1999-11-08
: PRIOR APPLICATION NUMBER: 60/107727
: PRIOR FILING DATE: 1998-11-09
: NUMBER OF SEQ ID NOS: 18
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 11
: LENGTH: 1128
: TYPE: PRT
: ORGANISM: Caenorhabditis elegans
US-09-436-063C-11

Alignment Scores:
Pred. No.:      1.21      Length:      1128
Score:          82.00      Matches:      28
Percent Similarity: 48.31%      Conservative: 15
Best Local Similarity: 31.46%      Mismatches: 38
Query Match:    16.53%      Indels:      8
DB:             4          Gaps:         4

US-09-049-695A-2 (1-261) x US-09-436-063C-11 (1-1128)

QY 243 ACAGGAGACACACACGCTGCTGCTCTCTCC-----GGAGGCTCCACACAGG 190
      ||||| :|||||: : : : : : |||||: |||||
DB 1040 ThrglyalathrThrThrThrThrThrThrThrThrThrThrThrThrThr 1059
      ||||| :|||||: : : : : : |||||: |||||

QY 189 -----GGCCCCAGCCCTTCTCTGCTGCTGAGGGCAG---TGTGTG 145
      ||| :||| :|||: |||: |||
DB 1060 ThrThralaglyalathrThralaglyalaglyalaglyalaglyalagly 1079
      ||||| :|||||: : : : : : |||||: |||||

QY 144 ACTGCACTTGATAGG---ACCTGGGCTGCTGGAGCTGCACCTCCACAGCAGC 88
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 1080 ThrcysalathrThrglycysThrcysAlaAlaAlaAlaAlaAlaThrThrAla 1099
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

QY 87 ACAACACACGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTA 28
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 1100 ThrThrThrThrThrAlaAlaThrThrglyThrcysAlaAlaAlaAlaAlaAla 1119
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

```

```

QY 27 GAGAGCTCTCAGGAGCTGCAGTGGCT 1
      :||| :||| :||| :||| :|||
DB 1120 AlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1128

RESULT 11
US-08-712-948-1
: Sequence 1, Application US/08712948
: Patent No. 5850002
: GENERAL INFORMATION:
: APPLICANT: Korsmeyer, Stanley J.
: TITLE OF INVENTION: HOX11 Gain and Loss of Function Murine
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Patrea L. Pabst
: STREET: 1100 Peachtree Street, Suite 2800
: CITY: Atlanta
: STATE: Georgia
: COUNTRY: USA
: ZIP: 30309-4530
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/712,948
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/731,728
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Pabst, Patrea L.
: REGISTRATION NUMBER: 31,284
: REFERENCE/DOCKET NUMBER: W0104
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (404)-815-6508
: TELEFAX: (404)-815-6555
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 333 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEetical: NO
: ANTI-SENSE: NO
: FRAGMENT TYPE: N-terminal
: ORIGINAL SOURCE:
: ORGANISM: Murine
US-08-712-948-1

Alignment Scores:
Pred. No.:      1.12      Length:      333
Score:          81.50      Matches:      26
Percent Similarity: 39.47%      Conservative: 4
Best Local Similarity: 34.21%      Mismatches: 29
Query Match:    16.43%      Indels:      17
DB:             2          Gaps:         3

US-09-049-695A-2 (1-261) x US-08-712-948-1 (1-333)

QY 64 CCGGTACACAGCCTGGTGTGCTGCTGAGGAGCAGTGATCCAGACCCAA 123
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 79 ProglyglyProglyglyProAlaglyglyglyglyAlaCysSer-----Met 95
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

QY 124 GGTCCCTATCAGATGCA---AGTCAACACTGGCCCTCAGACGAGACCCAGAAAGC 180
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
DB 96 GlyProLeuProglySerTyrAsnValAsnMetAlaLeuAlaglyglyProglyProgly 115
      ||||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

QY 181 CTGGGGGCCCGCTGGTGGAGAGCTCCGAGAGAGA----- 216
      ||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

```

```

Db      116 GtGgtGgGAGGAGGTGCACCTCCAGACCACCA- - - - -GTCCTATCAAGATGC 140
OY      217 -----CGACGACTGGTGTCTCCTCCCTGCCAGA 249
          |||||         |||||||        ||:::
Db      136 ArgValProAlaHisArgProLeuAlaGlyValAlaHisProGln 151
RESULT 12
US-08-906-865-4
; Sequence 4, Application US/08906865
; Patent No. 6040168
; GENERAL INFORMATION:
; APPLICANT: Greengard, Paul
; APPLICANT: Porton, Barbara
; APPLICANT: Kao, Hung-Teh
; TITLE OF INVENTION: DNA ENCODING THE HUMAN SYNAPSIN III GENE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave., Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/906,865
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-343-1684
; TELEFAX: 201-487-5800
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 696 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; DESCRIPTION: /desc = "Synapsin Ia"
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-906-865-4
Alignment Scores:
Pred. No.:           1.26             Length:       696
Score:               81.50            Matches:      33
Percent Similarity:  38.61%           Conservative:  6
Best local Similarity: 32.67%         Mismatches:   44
Query Match:         16.43%           Indels:       18
DB:                  3                Gaps:          4
US-09-049-695A-2 (1-261) x US-08-906-865-4 (1-696)
OY      3 CCACTGCAGCTCCGTAGACAATTCTCTACAGAGACGCGACCCACAGCATGAGAGCTCC 62
          ||| :::||||| ||| -||| ::|||
Db      505 ProGlnArgLeuPro-SerrProThrSerAlaProGlnGlnProAlaSerGlnAlaIAsPr 524
OY      63 TCCT-----GCTCACGAG-----CCTGTGGTTGTGC 89
          ||||         ||| |||         |||||
Db      524 oProThrcInclngInglAyArGlnserArGProvalAlaGlycylProGlyAlaProPr 544
          |||||         |||||         |||||

```

Db	544	oalalaarpproproalaserproserproglinarglinalaelypoproglinalath	564
QY	141	AAGTCAACACTGGCCCTCAGAGCAGAGACCAGAGAGCCCTGGGGCCCTGTGTGG	200
		::	
Db	564	rarglnlthrseralaserlserglyproalaproprolyalaserllyalaproproglyl	584
QY	201	AGCCTCCGAGAGAGA-----CGACAGCTGTGTGTCTTCCCTGTCCAGAGC	251
		::	
Db	584	ylnglnlmgnglmglyproproglinlpsproprogllyproalaelyprothrarginal	604
QY	252	C 252	
Db	604	a 604	
RESULT 13			
		US-09-129-668-4	
		: Sequence 4, Application US/09129668B	
		: Patent No. 6429010	
		: GENERAL INFORMATION:	
		: APPLICANT: Greengard, Paul	
		: APPLICANT: Porton, Barbara	
		: APPLICANT: Kao, Hung-Teh	
		: TITLE OF INVENTION: DNA ENCODING THE HUMAN SYNAPSIN III GENE AND USES	
		: TITLE OF INVENTION: THEROP	
		: FILE REFERENCE: 600-1-202 CIP	
		: CURRENT APPLICATION NUMBER: US/09/129, 668B	
		: CURRENT FILING DATE: 1998-08-05	
		: EARLIER APPLICATION NUMBER: 08/906, 865	
		: EARLIER FILING DATE: 1997-08-06	
		: NUMBER OF SEQ ID NOS: 8	
		: SOFTWARE: Patentl Ver. 2.0	
		: SEQ ID NO 4	
		: LENGTH: 696	
		: TYPE: PRT	
		: ORGANISM: Homo sapiens	
		US-09-129-668-4	
Alignment Scores:			
		Pred. No.: 1.26	696
		Score: 81.50	Matches: 33
		Percent Similarity: 38.61%	Conservative: 6
		Best Local Similarity: 32.67%	Mismatches: 44
		Query Match: 16.43%	Indels: 18
		DB: 4	Gaps: 4
		US-09-049-695A-2 (1-261) x US-09-129-668-4 (1-696)	
QY	3	CCACGCGAGCTCCCTGAGACACTCTCTACAGAGCGGAGCCGACATGAGAGGCTCC	62
		:: ::	
Db	505	Proglinargleupro-SerProthrSerAlaProglInglProAlaserGlnAlaAlaPr	524
QY	63	TGCT- -GCTACACAG- -CCTGGTGTGTGTC	89
Db	524	OProthrInglnglmglyarglnserargprovalAlaelylglyProglAlaProPr	544
QY	90	TGCTGTGGAGGAGGTGCAGTCCAGCCACCCAA-----GTCCTATCAAGATGC	140
Db	544	oalalaarpproproalaserproserproglinarglinalaelypoproglinalath	564
QY	141	AAGTCAACACTGGCCCTCAGAGCAGAGACCAGAGAGCCCTGGGGCCCTGTGTGG	200
		::	
Db	564	rarglnlthrseralaserlserglyproalaproprolyalaserllyalaproproglyl	584
QY	201	AGCCTCCGAGAGAGA-----CGACAGCTGTGTGTCTTCCCTGTCCAGAGC	251
		::	
Db	584	ylnglnlmgnglmglyproproglinlpsproprogllyproalaelyprothrarginal	604
QY	252	C 252	
Db	604	a 604	
RESULT 14			

```
US-09-548-372D-13
; Sequence 13, Application US/09548372D
; Patent No. 6420534
; GENERAL INFORMATION:
; APPLICANT: GURNEY ET AL.
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
; FILE REFERENCE: 29915/62801
; CURRENT APPLICATION NUMBER: US/09/548, 372D
; CURRENT FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: US 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 2088
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-548-372D-13

Alignment Scores:
Pred. No.: 1.51 Length: 2088
Score: 81.50 Matches: 23
Percent Similarity: 44.78% Conservative: 7
Best Local Similarity: 34.33% Mismatches: 19
Query Match: 16.43% Indels: 18
DB: 4 Gaps: 2

US-09-049-695A-2 (1-261) x US-09-548-372D-13 (1-2088)
OY 210 TCCGAGGCTCCACACACAGGGCCGCTCTGCTGAGGCGCCAG 151
Db 1743 ThrglyglylThrThrglyAlaAcysAlaAlaAlaThrAlaThrcysAlaAlaGlyAla 1762
OY 150 TGT-----TTGACTTGATCTGATAGGACCTTGCGTGGTCTGGG 112
Db 1763 CysglyglyAlaGlyglyAlaGlyAlaThrCysThrcysThnglyAlaAlaGlyThrcly 1782
OY 111 ACTGCACCTCCCTCCACAGCAGCAACACACAGCTGTGACGAGAGAGCCTCCTC 52
Db 1783 AlaAlaGlyAla-----Thr-GlyGlyAlaAlaThrG1 1792
OY 51 ATGCTGGGGTCCGGCTCT 33
Db 1792 yCysAlaGlyAlaAlaThr 1798

RESULT 15
US-09-548-367D-13
; Sequence 13, Application US/09548367D
; Patent No. 6440698
; GENERAL INFORMATION:
; APPLICANT: GURNEY ET AL.
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
; FILE REFERENCE: 29915/6280H
; CURRENT APPLICATION NUMBER: US/09/548, 367D
; CURRENT FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: US 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 13
; LENGTH: 2088
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-548-367D-13

Alignment Scores:
Pred. No.: 1.51 Length: 2088
Score: 81.50 Matches: 23
Percent Similarity: 44.78% Conservative: 7
Best Local Similarity: 34.33% Mismatches: 19
Query Match: 16.43% Indels: 18
DB: 4 Gaps: 2

US-09-049-695A-2 (1-261) x US-09-548-367D-13 (1-2088)
OY 210 TCCGAGGCTCCACACACAGGGCCGCTCTGCTGAGGCGCCAG 151
Db 1743 ThrglyglylThrThrglyAlaAcysAlaAlaAlaThrAlaThrcysAlaAlaGlyAla 1762
OY 150 TGT-----TTGACTTGATCTGATAGGACCTTGCGTGGTCTGGG 112
Db 1763 CysglyglyAlaGlyglyAlaGlyAlaThrCysThrcysThnglyAlaAlaGlyThrcly 1782
OY 111 ACTGCACCTCCCTCCACAGCAGCAACACACAGCTGTGACGAGAGAGCCTCCTC 52
Db 1783 AlaAlaGlyAla-----Thr-GlyGlyAlaAlaThrG1 1792
OY 51 ATGCTGGGGTCCGGCTCT 33
Db 1792 yCysAlaGlyAlaAlaThr 1798
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Search completed: April 21, 2003, 13:27:09
Job time : 8.15214 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: April 21, 2003, 11:32:48 : Search time 23.1214 Seconds
(without alignments)
3302.673 Million cell updates/sec

Title: US-09-049-695A-23

Perfect score: 249

Sequence: 1 GGATCAGCAGCATGCAGCTCC.....TGGTGCTGCTGCTCCCTC 249

Scoring table:

IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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2: /cgn2_6/ptodata/1/lna/5B_COMB.seq: *
3: /cgn2_6/ptodata/1/lna/6A_COMB.seq: *
4: /cgn2_6/ptodata/1/lna/6B_COMB.seq: *
5: /cgn2_6/ptodata/1/lna/PCTUS_COMB.seq: *
6: /cgn2_6/ptodata/1/lna/Backfillseq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	244	98.0	596	2	US-08-815-175-2
2	35.8	14.4	2793	1	US-08-209-747-1
3	35.8	14.4	2793	1	US-08-458-298-1
4	32.6	13.1	11219	1	US-07-642-734C-1
5	32.6	13.1	11219	3	US-08-439-009A-1
6	31.4	12.6	2424	4	US-09-234-393-1
7	31.4	12.6	2424	4	US-09-360-545-15
8	31.4	12.6	2424	4	US-09-865-171-1
9	31.4	12.6	2424	4	US-09-398-395A-45
10	31.4	12.6	2493	3	US-08-945-056-3
11	31.4	12.6	2525	4	US-09-234-393-39
12	31.4	12.6	2525	4	US-09-865-171-39
13	31.4	12.6	2528	4	US-09-234-393-37
14	31.4	12.6	2528	4	US-09-234-393-41
15	31.4	12.6	2528	4	US-09-865-171-37
16	31.4	12.6	2528	4	US-09-865-171-41
17	31.4	12.6	2571	4	US-09-234-393-12
18	31.4	12.6	2571	4	US-09-865-171-12
19	31.4	12.6	3827	2	US-08-170-294-6
20	31.4	12.6	3827	2	US-08-664-855-6
21	31.4	12.6	3827	2	US-08-718-751-1
22	31.4	12.6	3827	3	US-09-049-289-6
23	31.2	12.5	504	4	US-09-512-342-19
24	31.2	12.5	2338	1	US-08-425-069-1
25	31.2	12.5	2338	2	US-08-317-844B-1
26	31.2	12.5	2502	1	US-08-073-384C-7
27	31.2	12.5	2502	1	US-08-254-359A-7

28	31.2	12.5	2502	1	US-08-483-043-7	Sequence 7, Appli
29	31.2	12.5	2502	1	US-08-481-238-7	Sequence 7, Appli
30	31.2	12.5	2502	2	US-08-471-066B-7	Sequence 7, Appli
31	31.2	12.5	2502	2	US-08-484-956-7	Sequence 7, Appli
32	31.2	12.5	2502	2	US-08-757-653-7	Sequence 7, Appli
33	31.2	12.5	2502	2	US-08-599-491-7	Sequence 7, Appli
34	31.2	12.5	2502	2	US-08-756-386-7	Sequence 7, Appli
35	31.2	12.5	2502	2	US-08-823-516-7	Sequence 7, Appli
36	31.2	12.5	2502	3	US-08-682-853A-7	Sequence 7, Appli
37	31.2	12.5	2502	3	US-08-759-038-7	Sequence 7, Appli
38	31.2	12.5	2502	3	US-08-758-314-7	Sequence 7, Appli
39	31.2	12.5	2502	4	US-09-350-309-7	Sequence 7, Appli
40	31.2	12.5	2502	4	US-08-520-946-7	Sequence 7, Appli
41	31	12.4	1941	4	US-09-232-197-28	Sequence 28, Appl
42	31	12.4	1941	4	US-09-232-197-28	Sequence 28, Appl
43	31	12.4	1941	4	US-09-232-201-28	Sequence 28, Appl
44	31	12.4	3694	4	US-09-232-200-46	Sequence 46, Appl
45	31	12.4	3694	4	US-09-232-197-46	Sequence 46, Appl

ALIGNMENTS

RESULT 1
US-08-815-175-2
Sequence 2, Application US/08815175
Patent No. 5856139
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,175
FILING DATE: Filed Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0225 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 596 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANCYTUT02
CLONE: 2235738
US-08-815-175-2
Query Match 98.0% Score 244; DB 2: Length 596;
Best Local Similarity 100.0%; Pred. No. 3.9e+58;
Matches 244; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches	82:	Conservative	0:	Mismatches	77:	Indels	0:	Gaps	0:
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Db	829	CTGGTGGCGGCTGCTGCTCTCTGCTGTGGAGCAGATCTGGAGGCGCTGGCGTTACGGTATAGAG	888						
QY	142	ATGCAGATCAACACACTGGGCGCTCAAGACGACGACCCAGACAGAGAGGCGCTGGGGCGCCCGGTGTG	201						
Db	889	GTCGTGGGTGCTGGACCTGTGAGCCGCTGTGACAGGTGCGAGGAGCAAGACCTGAGACTACGCTACGGTGTG	948						
QY	202	GTGGAGCCTCCGGAGAGACGACGACCCAGGTGGTGGGTGTG	240						
Db	949	GTCAGAGATACGGTGTCCGAGCAGGAGTGGTGGTGTGTG	987						

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RESULT 4
US-07-642-734C-1
Sequence 1, Application US/07642734C
Patent No. 5824513
GENERAL INFORMATION:
APPLICANT: Katz, L
APPLICANT: Donadio, S
APPLICANT: Mcalpine, J B
TITLE OF INVENTION: Recombinant DNA Method for Producing
TITLE OF INVENTION: Erythromycin Analogs
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSER: Edward H. Gorman
STREET: Abbott Laboratories D377/AP6D-2 One Abbott
STREET: Park Rd
CITY: Abbott Park
STATE: IL
COUNTRY: US
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/642,734C
FILING DATE: 17-JAN-91
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Danckwerts, Andreas M
REGISTRATION NUMBER: 32652
REFERENCE/DOCKET NUMBER: 4952.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-9396
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 11219 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Saccharopolyspora erythraea
STRAIN: NRRL 2338
FEATURE:
NAME/KEY: misc_feature
LOCATION: 744..6659
OTHER INFORMATION: /function= "APPROXIMATE SPAN OF
OTHER INFORMATION: MODULE 1"
OTHER INFORMATION: /label= FUNCTION
FEATURE:
NAME/KEY: CDS
LOCATION: 744..11219
OTHER INFORMATION: /function= "gene- "eryA""
OTHER INFORMATION: /product= "ORF1 encoding modules 1 & 2 for

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1 OTHER INFORMATION: 6-deoxyerythronolide B"
2 FEATURE:
3 NAME/KEY: misc_feature
4 LOCATION: 744..1868
5 OTHER INFORMATION: /function= "approximate span of
6 OTHER INFORMATION: acyltransferase domain 1 of module 1"
7 FEATURE:
8 NAME/KEY: misc_feature
9 LOCATION: 1998..2198
10 OTHER INFORMATION: /function= "approximate span of
11 OTHER INFORMATION: acyl carrier domain 1 of module 1"
12 FEATURE:
13 NAME/KEY: misc_feature
14 LOCATION: 2250..3626
15 OTHER INFORMATION: /function= "approximate span of
16 OTHER INFORMATION: beta-ketoacylACP synthase domain/module1"
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18 NAME/KEY: misc_feature
19 LOCATION: 3831..4811
20 OTHER INFORMATION: /function= "approximate span of
21 OTHER INFORMATION: acyltransferase 2 domain of module 1"
22 FEATURE:
23 NAME/KEY: misc_feature
24 LOCATION: 5574..6125
25 OTHER INFORMATION: /function= "approximate span of
26 OTHER INFORMATION: beta-ketoreductase domain of module 1"
27 FEATURE:
28 NAME/KEY: misc_feature
29 LOCATION: 6369..6626
30 OTHER INFORMATION: /function= "approximate span of
31 OTHER INFORMATION: acyl carrier domain 2 of module 1"
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34 LOCATION: 6678..11219
35 OTHER INFORMATION: /function= "approximate span of
36 OTHER INFORMATION: module 2"
37 FEATURE:
38 NAME/KEY: misc_feature
39 LOCATION: 6778..8066
40 OTHER INFORMATION: /function= "approximate span of
41 OTHER INFORMATION: beta-ketoacyl ACP synthase of module 2"
42 FEATURE:
43 NAME/KEY: misc_feature
44 LOCATION: 8262..9305
45 OTHER INFORMATION: /function= "approximate span of
46 OTHER INFORMATION: acyltransferase domain of module 2"
47 FEATURE:
48 NAME/KEY: misc_feature
49 LOCATION: 9906..10454
50 OTHER INFORMATION: /function= "approximate span of
51 OTHER INFORMATION: beta-ketoreductase domain of module 2"
52 FEATURE:
53 NAME/KEY: misc_feature
54 LOCATION: 10707..10964
55 OTHER INFORMATION: /function= "approximate span of
56 OTHER INFORMATION: acyl carrier domain of module 2"
57 US-07-642-734C-1
58
59 Query Match 13.1%; Score 32.6; DB 1; Length 11219;
60 Best Local Similarity 48.6%; Pred. No. 4.8;
61 Matches 89; Conservative 0; Mismatches 94; Indels 0; Gaps 0;
62
63 GCTCCTCCTGGTGCACACACCTGGTGGTGTGTGCTGTGGGAGCAGGTGCATGCCAGC 122
64 ||| |||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
65 Db 10127 GCAGCGGCTGATGCAGAGCAGGGGGAGGTGCTGCTGGGGTGTGGTGCACGGGGGACTGCC 10186
66 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
67 QY 123 ACCCAAGTCTCCATCAAGATGCAAGTCAAACTGTGGCCCTTCAGAGCAGAGACCCAGAGAA 182
68 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
69 Db 10187 GCAGCAGGTGCGGATCAACGACATGCAGACGAGGCCCTTCGACGAGGTGTGCGGCAAA 10246
70 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
71 QY 183 GCGCTGGGGGCGCCGCTGTGGTGGAGCCTTCGAGAGAAGCAGCACAGCTGTGGTCTCTTT 242
72 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||
73 Db 10247 GCGCGGGGGGCGGTGCACCTGTGGAGACCTGTGCTCGACGGCGAGCTTCTGCTGTT 10306
74 ||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||

```


GENERAL INFORMATION:
APPLICANT: Croteau, Rodney B
APPLICANT: Croc, John E
APPLICANT: Bohmann, Jorg
APPLICANT: Jetter, Reinhard
APPLICANT: Steele, Christopher L
TITLE OF INVENTION: SESQUITERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)
FILE REFERENCE: WSUR113345
CURRENT APPLICATION NUMBER: US/09/234,393A
EARLIER FILING DATE: 1999-01-20
EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2424
TYPE: DNA
ORGANISM: Abies grandis
US-09-234-393-1

Query Match 12.6% Score 31.4; DB 4; Length 2424;
Best Local Similarity 52.7%; Pred. No. 7.3;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 54 CATGAGAGGCTCTCTCTGTCACCAAGCCTGTGTTGCTGCGTGGAGGAGGCTGC 113
DB 2221 CAAGAAGATGCTTTTCGAGAGACAGAGTGCAGATGATATTCAGAGATGAGATGG 2280

QY 114 AGTCCAGACCCAGAGTCCCTATCAAGATGCAAGTCAAACTGCGCCCTCAGAGCAGA 173
DB 2281 ATTGGTGTTCCTCAATTGAAGTCAAGATCATATCAAGATGCTCATTTGACCGCT 2340

QY 174 CCCAGAGAA 182
DB 2341 GCCACTGTA 2349

RESULT 7
US-09-360-545-15
Sequence 15, Application US/09360545
Patent No. 6429014

GENERAL INFORMATION:
APPLICANT: Croteau, Rodney B
APPLICANT: Bohmann, Jorg
APPLICANT: Steele, Christopher L
APPLICANT: Phillips, Michael A
TITLE OF INVENTION: MONOTERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)
FILE REFERENCE: WSUR13885
CURRENT APPLICATION NUMBER: US/09/360,545
CURRENT FILING DATE: 1999-07-26
EARLIER APPLICATION NUMBER: 60/052,249
EARLIER FILING DATE: 1997-11-07
EARLIER APPLICATION NUMBER: PCT/US98/14528
EARLIER FILING DATE: 1998-07-10
NUMBER OF SEQ ID NOS: 107
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 15
LENGTH: 2424

TYPE: DNA
ORGANISM: Abies grandis
FEATURE:
NAME/KEY: CDS
LOCATION: (2)..(2350)
OTHER INFORMATION: Clone AG1.28
US-09-360-545-15

Query Match 12.6% Score 31.4; DB 4; Length 2424;
Best Local Similarity 52.7%; Pred. No. 7.3;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 54 CATGAGAGGCTCTCTCTGTCACCAAGCCTGTGTTGCTGCGTGGAGGAGGCTGC 113
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DB 2221 CAAGAAGATGCTTTTCGAGAGACAGAGTGCAGATGATATTCAGAGATGAGATGG 2280
QY 114 AGTCCAGACCCAGAGTCCCTATCAAGATGCAAGTCAAACTGCGCCCTCAGAGCAGA 173
DB 2281 ATTGGTGTTCCTCAATTGAAGTCAAGATCATATCAAGATGCTCATTTGACCGCT 2340

QY 174 CCCAGAGAA 182
DB 2341 GCCACTGTA 2349

RESULT 8
US-09-865-171-1
Sequence 1, Application US/09865171
Patent No. 6451576

GENERAL INFORMATION:
APPLICANT: Croteau, Rodney B
APPLICANT: Croc, John E
APPLICANT: Bohmann, Jorg
APPLICANT: Steele, Christopher L
TITLE OF INVENTION: SESQUITERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS),
FILE REFERENCE: WSUR117468
CURRENT APPLICATION NUMBER: US/09/865,171
CURRENT FILING DATE: 2001-05-24
PRIOR APPLICATION NUMBER: 09/234,393
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: 60/072,204
PRIOR FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1
LENGTH: 2424
TYPE: DNA

ORGANISM: Abies grandis
US-09-865-171-1

Query Match 12.6% Score 31.4; DB 4; Length 2424;
Best Local Similarity 52.7%; Pred. No. 7.3;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 54 CATGAGAGGCTCTCTCTGTCACCAAGCCTGTGTTGCTGCGTGGAGGAGGCTGC 113
DB 2221 CAAGAAGATGCTTTTCGAGAGACAGAGTGCAGATGATATTCAGAGATGAGATGG 2280

QY 114 AGTCCAGACCCAGAGTCCCTATCAAGATGCAAGTCAAACTGCGCCCTCAGAGCAGA 173
DB 2281 ATTGGTGTTCCTCAATTGAAGTCAAGATCATATCAAGATGCTCATTTGACCGCT 2340

QY 174 CCCAGAGAA 182
DB 2341 GCCACTGTA 2349

RESULT 9
US-09-398-395A-45
Sequence 45, Application US/09398395A
Patent No. 6468772

GENERAL INFORMATION:
APPLICANT: Chappell, Joseph
APPLICANT: No. 64687721, Joseph P.
APPLICANT: Starks, Courtney M.
APPLICANT: Manna, Kathleen R.
TITLE OF INVENTION: SYNTHASES
FILE REFERENCE: 07678-025001
CURRENT APPLICATION NUMBER: US/09/398,395A
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: 60/100,993
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 60/130,628
PRIOR FILING DATE: 1999-04-22
PRIOR APPLICATION NUMBER: 60/150,262
PRIOR FILING DATE: 1999-08-23


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RESULT 12
US-09-865-171-39
; Sequence 39, Application US/09865171
; Patent No. 6451576
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B
; APPLICANT: Crock, John E
; APPLICANT: Bohmann, Jorg
; APPLICANT: Steele, Christopher L
; TITLE OF INVENTION: SESOUTERRENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS),
; TITLE OF INVENTION: AND METHODS OF USE
; FILE REFERENCE: WSUR117468
; CURRENT APPLICATION NUMBER: US/09/865,171
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 09/234,393
; PRIOR FILING DATE: 1999-01-20
; PRIOR APPLICATION NUMBER: 60/072,204
; PRIOR FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 39
; LENGTH: 2525
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: computer-generated nucleic acid sequence encoding
; NAME/KEY: CDS
; LOCATION: (1)..(2451)
US-09-865-171-39

Query Match
Best Local Similarity 12.6%; Score 31.4; DB 4; Length 2525;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 54 CATGAGGAGGCTCCCTGCTGTACACGAGCCTGTGTTGCTGCTGTGGAGGAGGTGC 113
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QY 114 AGTCCAGCAGCCAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGA 173
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2385 ATTGGGTGTTCCAAATTGAAGTCAAGATCATATCAAGAGTGTCTCATTTGAACCGCT 2444
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QY 174 CCCAGAGAA 182
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DB 2445 GCCACTGTA 2453
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RESULT 13
US-09-234-393-37
; Sequence 37, Application US/09234393A
; Patent No. 6265639
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B
; APPLICANT: Crock, John E
; APPLICANT: Bohmann, Jorg
; APPLICANT: Steele, Christopher L
; TITLE OF INVENTION: SESOUTERRENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)
; TITLE OF INVENTION: AND METHODS OF USE
; FILE REFERENCE: WSUR113345
; CURRENT APPLICATION NUMBER: US/09/234,393A
; CURRENT FILING DATE: 1999-01-20
; EARLIER APPLICATION NUMBER: 60/072,204
; EARLIER FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 37
; LENGTH: 2528
; TYPE: DNA
; ORGANISM: Abies grandis
; FEATURE:
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; NAME/KEY: CDS
; LOCATION: (1)..(2451)
US-09-234-393-37

Query Match
Best Local Similarity 12.6%; Score 31.4; DB 4; Length 2528;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 54 CATGAGGAGGCTCCCTGCTGTACACGAGCCTGTGTTGCTGCTGTGGAGGAGGTGC 113
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QY 114 AGTCCAGCAGCCAGGTCCTATCAAGATGCAAGTCAAACTGGCCCTCAGAGCAGA 173
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 2385 ATTGGGTGTTCCAAATTGAAGTCAAGATCATATCAAGAGTGTCTCATTTGAACCGCT 2444
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 174 CCCAGAGAA 182
    ||||| |||||
DB 2445 GCCACTGTA 2453
    ||||| |||||

RESULT 14
US-09-234-393-41
; Sequence 41, Application US/09234393A
; Patent No. 6265639
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B
; APPLICANT: Crock, John E
; APPLICANT: Bohmann, Jorg
; APPLICANT: Steele, Christopher L
; TITLE OF INVENTION: SESOUTERRENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)
; TITLE OF INVENTION: AND METHODS OF USE
; FILE REFERENCE: WSUR113345
; CURRENT APPLICATION NUMBER: US/09/234,393A
; CURRENT FILING DATE: 1999-01-20
; EARLIER APPLICATION NUMBER: 60/072,204
; EARLIER FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 41
; LENGTH: 2528
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: computer-generated nucleic acid sequence encoding
; NAME/KEY: CDS
; LOCATION: (1)..(2451)
US-09-234-393-41

Query Match
Best Local Similarity 12.6%; Score 31.4; DB 4; Length 2528;
Matches 68; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 54 CATGAGGAGGCTCCCTGCTGTACACGAGCCTGTGTTGCTGCTGTGGAGGAGGTGC 113
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QY 174 CCCAGAGAA 182
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DB 2445 GCCACTGTA 2453
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RESULT 15
US-09-865-171-37
; Sequence 37, Application US/09865171
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: Patent No. 6451576
: GENERAL INFORMATION:
: APPLICANT: Croteau, Rodney B
: APPLICANT: Crook, John E
: APPLICANT: Bohlmann, Jorg
: APPLICANT: Steele, Christopher L
: TITLE OF INVENTION: SESQUITERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS),
: TITLE OF INVENTION: AND METHODS OF USE
: FILE REFERENCE: WSUR117468
: CURRENT APPLICATION NUMBER: US/09/865,171
: CURRENT FILING DATE: 2001-05-24
: PRIOR APPLICATION NUMBER: 09/234,393
: PRIOR FILING DATE: 1999-01-20
: PRIOR APPLICATION NUMBER: 60/072,204
: PRIOR FILING DATE: 1998-01-22
: NUMBER OF SEQ ID NOS: 55
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 37
: LENGTH: 2528
: TYPE: DNA
: ORGANISM: Abies grandis
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)..(2451)
US-09-865-171-37

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Query Match          12.6%; Score 31.4; DB 4; length 2528;
Best Local Similarity 52.7%; Pred. No. 7.3;
Matches 68; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

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Db 2325 CAGAGAGATGCTTTTCGAGGAGACAGAGTGCAGATGGTATTCAGAGATGAGATGG 2384
OY 114 AGTCCACAGCACCACAGGTCCCTATCAGATGCAGAGTCAAGACTGCCCCAGAGCAGGA 173
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2385 ATTGGGTGTTCCAAATAGAGTCAAGATCATATCAAGAGTGTCTCATTTGAACCGCT 2444
OY 174 CCCAGAGAA 182
    |||||
Db 2445 GCCACTGTA 2453

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Search completed: April 21, 2003, 13:26:24
 Job time : 32.1214 secs

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: April 21, 2003, 11:32:48 ; Search time 23.5857 Seconds
(without alignments)
3302.673 Million cell updates/sec

Title: US-09-049-695A-1
Perfect score: 254
Sequence: 1 CTGGGATCAGCAGCTGACGAC.....GTGGTGTGTCTCCGTGCA 254

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued_Patents_NA:*
2: /cgn2_6/ptodata/1/lna/5A_COMB.seq:*
3: /cgn2_6/ptodata/1/lna/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/lna/Backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query length	DB ID	Description
1	246	96.9	596	2	US-08-815-175-2
2	35.8	14.1	2793	1	US-08-209-747-1
3	35.8	14.1	2793	1	US-08-458-298-1
4	32.6	12.8	11219	3	US-07-642-734C-1
5	32.6	12.8	11219	3	US-08-439-009A-1
6	32	12.6	1941	4	US-09-232-200-28
7	32	12.6	1941	4	US-09-232-197-28
8	32	12.6	1941	4	US-09-232-201-28
9	32	12.6	3694	4	US-09-232-197-46
10	32	12.6	3694	4	US-09-232-201-46
11	32	12.6	3704	4	US-09-232-200-24
12	32	12.6	3704	4	US-09-232-197-24
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17	31.6	12.4	3827	2	US-08-170-294-6
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22	31.4	12.4	2424	4	US-09-360-545-15
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30	31.4	12.4	2528	4	US-09-865-171-41	Sequence 41, Appl
31	31.4	12.4	2571	4	US-09-234-393-12	Sequence 12, Appl
32	31.4	12.4	2571	4	US-09-865-171-12	Sequence 12, Appl
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43	31.2	12.3	2502	2	US-08-599-491-7	Sequence 7, Appl
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ALIGNMENTS

RESULT 1
US-08-815-175-2
; Sequence 2, Application US/08815175
; Patent No. 5856139
; GENERAL INFORMATION:
; APPLICANT: Tai, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL PROLINE-RICH ACIDIC PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/815,175
; FILING DATE: Filed Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0225 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 596 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PANCUT02
; CLONE: 2235738
; US-08-815-175-2
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Best Local Similarity 100.0%; Pred. No. 2.1e-58;
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	Patent No. 5824513									
	GENERAL INFORMATION:									
	APPLICANT: Katz, L.									
	APPLICANT: Donadio, S									
	TITLE OF INVENTION: Recombinant DNA Method for Producing									
	NUMBER OF SEQUENCES: 27									
	CORRESPONDENCE ADDRESS:									
	ADDRESS: Edward H. Gorman									
	STREET: Abbott Laboratories D377/APdP-2 One Abbott									
	CITY: Abbott Park									
	STATE: IL									
	COUNTRY: US									
	ZIP: 60064-3500									
	COMPUTER READABLE FORM:									
	MEDIUM TYPE: Floppy disk									
	COMPUTER: IBM PC Compatible									
	OPERATING SYSTEM: PC-DOS/MS-DOS									
	SOFTWARE: Patentin Release #1.0, Version #1.25									
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	APPLICATION NUMBER: US/07/642,734C									
	FILING DATE: 17-JAN-91									
	CLASSIFICATION: 435									
	ATTORNEY/AGENT INFORMATION:									
	NAME: Danckerts, Andreas M									
	REGISTRATION NUMBER: 32652									
	REFERENCE/DOCKET NUMBER: 4952_US_01									
	TELECOMMUNICATION INFORMATION:									
	TELEPHONE: 708-937-9396									
	TELEFAX: 708-938-2623									
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	HYPOTHETICAL: NO									
	ANTI-SENSE: NO									
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71 Oy 186 GGCCTGGGGGGCCCGCTGTGTGTGAGACCTCCGAGAAAGACACACGCTGTGTGCTCTTT 245
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73 Db 10247 GGCCTGGGGGGGGGTGACCTGTGTGTGAGACCTGTGTGAGAGCGCGGAGCTTCTGCTGTT 10306

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```

: GENERAL INFORMATION:
: APPLICANT: Stahl, Andreas
: APPLICANT: Hirsch, David J.
: APPLICANT: Lodish, Harvey F.
: APPLICANT: Gimeno, Ruth E.
: APPLICANT: Tartaglia, Louis A.
: TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
: FILE REFERENCE: WH97-21p3MB
: CURRENT APPLICATION NUMBER: US/09/232,200A
: EARLIER FILING DATE: 1999-01-14
: EARLIER APPLICATION NUMBER: 60/071,374
: EARLIER FILING DATE: 1998-01-15
: EARLIER APPLICATION NUMBER: 60/093,491
: EARLIER FILING DATE: 1998-07-20
: EARLIER APPLICATION NUMBER: 60/110,941
: EARLIER FILING DATE: 1998-12-04
: NUMBER OF SEQ ID NOS: 105
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 28
: LENGTH: 1941
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-232-200-28

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[illegible]

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RESULT 7
US-09-232-197-28
? Sequence 28, Application US/09232197A
? Patent No. 6300096
? GENERAL INFORMATION:
? APPLICANT: Stahl, Andreas
? APPLICANT: Hirsch, David J.
? APPLICANT: Lodish, Harvey F.
? APPLICANT: Gimeno, Ruth E.
? APPLICANT: Tartaglia, Louis A.
? TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
? FILE REFERENCE: WH197-21P3MA
? CURRENT APPLICATION NUMBER: US/09/232,197A
? EARLIER FILING DATE: 1998-01-14
? EARLIER APPLICATION NUMBER: 60/071,374
? EARLIER FILING DATE: 1998-01-15
? EARLIER APPLICATION NUMBER: 60/093,491
? EARLIER FILING DATE: 1998-07-20
? EARLIER APPLICATION NUMBER: 60/110,941
? EARLIER FILING DATE: 1998-12-04
? NUMBER OF SEQ ID NOS: 105
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 28
? LENGTH: 1941
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-232-197-28

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[illegible]

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RESULT 8
US-09-232-201-28
Sequence 28, Application US/09232201A
Patent No. 6348321
GENERAL INFORMATION:
APPLICANT: Stahl, Andreas
APPLICANT: Hirsch, David J.
APPLICANT: Lodish, Harvey F.
APPLICANT: Gimeno, Ruth E.
APPLICANT: Tartaglia, Louis A.
TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
FILE REFERENCE: WH197-21p3MC
CURRENT APPLICATION NUMBER: US/09/232,201A
CURRENT FILING DATE: 1999-01-14
EARLIER APPLICATION NUMBER: 60/071,374
EARLIER FILING DATE: 1998-01-15
EARLIER APPLICATION NUMBER: 60/093,491
EARLIER FILING DATE: 1998-07-20
EARLIER APPLICATION NUMBER: 60/110,941
EARLIER FILING DATE: 1998-12-04
NUMBER OF SEQ ID NOS: 105
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 28
LENGTH: 1941
TYPE: DNA
ORGANISM: Homo sapiens
US-09-232-201-28

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[illegible]

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; GENERAL INFORMATION:
; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Glimo, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21P3MB
; CURRENT APPLICATION NUMBER: US/09/232,200A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
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; ORGANISM: Homo sapiens
US-09-232-200-46
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Matches 112; Conservative 0; Mismatches 115; Indels 1; Gaps 1;
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QY 183 GAAGCGCTGGGGCGCCCGTGTGTGAGACCTCCGAGAGAGGAGGACCA 230
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US-09-232-197-46
; Sequence 46; Application US/09232197A
; Patent No. 6300096
; GENERAL INFORMATION:
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; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Glimo, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21P3MA
; CURRENT APPLICATION NUMBER: US/09/232,197A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
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; SEQ ID NO 46
; LENGTH: 3694
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-232-197-46
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Query Match 12.6%; Score 32; DB 4; Length 3694;
Best Local Similarity 49.1%; Pred. No. 5.9;
Matches 112; Conservative 0; Mismatches 115; Indels 1; Gaps 1;
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RESULT 11
US-09-232-201-46
; Sequence 46; Application US/09232201A
; Patent No. 6348321
; GENERAL INFORMATION:
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; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Glimo, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21P3MC
; CURRENT APPLICATION NUMBER: US/09/232,201A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 3694
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-232-201-46
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Best Local Similarity 49.1%; Pred. No. 5.9;
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; Sequence 24, Application US/09232200A
; Patent No. 6288213
; GENERAL INFORMATION:
; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Gimenio, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21p3MB
; CURRENT APPLICATION NUMBER: US/09/232,200A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
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; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
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; LENGTH: 3704
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (175)...(2112)
US-09-232-200-24

Query Match          12.6%; Score 32; DB 4; Length 3704;
Best Local Similarity 49.1%; Pred. No. 5.9;
Matches 112; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

OY 3 GGGATGAGCCACTGACGACCTCCCTGAGCACTCTCTACAGAGCGGAGACCCAGACATGAG 62
DB 283 GGCAGCGGGCGGCTGGCGCTTCCTGCCATCGCTGCA-AGACCGGAGCGAGACCTCTT 341
OY 63 GAGGCTCTCTCTGTCGTCACGAGCCTGTGTTGCTGCTGTGTGAGGAGCAGTGCATGCC 122
DB 342 CGGTCTCTCTGTGCTGATCGCGGTGCGCTGGAGCTGCGGCGCACAGCGTGCAGGCA 401
OY 123 AGCACCAGAGTCCCTATCAAGATGCAAGTCAAACTGAGCCCTCAGAGCAGACCCAGA 182
DB 402 CACCATCCCGCGCATCTTTCAGCGCGGTAGTGCAGCAGACCGCGCTGCGCTGCT 461
OY 183 GAAGCGCTGGGGCGCCCTGTGTGAGAGCCTCGGAGAGAGAGACCA 230
DB 462 GGATGCCGGGACCGCGAGTGTGACCTTTGGCGCAGCTGAGCGCCTA 509

RESULT 13
US-09-232-197-24
; Sequence 24, Application US/09232197A
; Patent No. 6300096
; GENERAL INFORMATION:
; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Gimenio, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21p3MA
; CURRENT APPLICATION NUMBER: US/09/232,197A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 3.0
;
; SEQ ID NO 24
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; LENGTH: 3704
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (175)...(2112)
US-09-232-197-24

Query Match          12.6%; Score 32; DB 4; Length 3704;
Best Local Similarity 49.1%; Pred. No. 5.9;
Matches 112; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

OY 3 GGGATGAGCCACTGACGACCTCCCTGAGCACTCTCTACAGAGCGGAGACCCAGACATGAG 62
DB 283 GGCAGCGGGCGGCTGGCGCTTCCTGCCATCGCTGCA-AGACCGGAGCGAGACCTCTT 341
OY 63 GAGGCTCTCTCTGTCGTCACGAGCCTGTGTTGCTGCTGTGTGAGGAGCAGTGCATGCC 122
DB 342 CGGTCTCTCTGTGCTGATCGCGGTGCGCTGGAGCTGCGGCGCACAGCGTGCAGGCA 401
OY 123 AGCACCAGAGTCCCTATCAAGATGCAAGTCAAACTGAGCCCTCAGAGCAGACCCAGA 182
DB 402 CACCATCCCGCGCATCTTTCAGCGCGGTAGTGCAGCAGACCGCGCTGCGCTGCT 461
OY 183 GAAGCGCTGGGGCGCCCTGTGTGAGAGCCTCGGAGAGAGAGACCA 230
DB 462 GGATGCCGGGACCGCGAGTGTGACCTTTGGCGCAGCTGAGCGCCTA 509

RESULT 14
US-09-232-201-24
; Sequence 24, Application US/09232201A
; Patent No. 6348321
; GENERAL INFORMATION:
; APPLICANT: Stahl, Andreas
; APPLICANT: Hirsch, David J.
; APPLICANT: Lodish, Harvey F.
; APPLICANT: Gimenio, Ruth E.
; APPLICANT: Tartaglia, Louis A.
; TITLE OF INVENTION: FATTY ACID TRANSPORT PROTEINS
; FILE REFERENCE: WH197-21p3MC
; CURRENT APPLICATION NUMBER: US/09/232,201A
; EARLIER FILING DATE: 1999-01-14
; EARLIER APPLICATION NUMBER: 60/071,374
; EARLIER FILING DATE: 1998-01-15
; EARLIER APPLICATION NUMBER: 60/093,491
; EARLIER FILING DATE: 1998-07-20
; EARLIER APPLICATION NUMBER: 60/110,941
; EARLIER FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 3.0
;
; SEQ ID NO 24
; LENGTH: 3704
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (175)...(2112)
US-09-232-201-24

Query Match          12.6%; Score 32; DB 4; Length 3704;
Best Local Similarity 49.1%; Pred. No. 5.9;
Matches 112; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

OY 3 GGGATGAGCCACTGACGACCTCCCTGAGCACTCTCTACAGAGCGGAGACCCAGACATGAG 62
DB 283 GGCAGCGGGCGGCTGGCGCTTCCTGCCATCGCTGCA-AGACCGGAGCGAGACCTCTT 341
OY 63 GAGGCTCTCTCTGTCGTCACGAGCCTGTGTTGCTGCTGTGTGAGGAGCAGTGCATGCC 122
DB 342 CGGTCTCTCTGTGCTGATCGCGGTGCGCTGGAGCTGCGGCGCACAGCGTGCAGGCA 401
OY 123 AGCACCAGAGTCCCTATCAAGATGCAAGTCAAACTGAGCCCTCAGAGCAGACCCAGA 182
DB 402 CACCATCCCGCGCATCTTTCAGCGCGGTAGTGCAGCAGACCGCGCTGCGCTGCT 461
OY 183 GAAGCGCTGGGGCGCCCTGTGTGAGAGCCTCGGAGAGAGAGACCA 230
DB 462 GGATGCCGGGACCGCGAGTGTGACCTTTGGCGCAGCTGAGCGCCTA 509
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Db 402 CACCATCCCGGCGCATCTTTCAGGCGGTAGTCAGGACAGCCCGCGCTGGCGCTGT 461
QY 183 GAAGGCTTGGGGCGCCCTGTGTGTGAGCTCCGGAGAGGACGACCA 230
Db 462 GGATGCCCGGACCGGCGAGTGTGTGACCTTTGGCGAGCTGGACGCGCTTA 509

RESULT 15
US-09-144-085-3

; Sequence 3, Application US/09144085
; Patent No. 6280999
; GENERAL INFORMATION:
; APPLICANT: Gustafsson, Claes
; APPLICANT: Beliaich, Mary C.
; APPLICANT: Ashley, Gary
; APPLICANT: Julien, Bryan
; APPLICANT: Ziermann, Rainer
; TITLE OF INVENTION: SORANGIUM POLYKETIDE SYNTHASES AND ENCODING DNA
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 30062-20020.20
; CURRENT APPLICATION NUMBER: US/09/144,085
; CURRENT FILING DATE: 1998-08-31
; EARLIER APPLICATION NUMBER: 09/010,809
; EARLIER FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 3
; LENGTH: 33529
; TYPE: DNA
; ORGANISM: Sorangium cellulosum
US-09-144-085-3

Query Match 12.5%; Score 31.8; DB 4; Length 33529;
Best Local Similarity 46.6%; Pred. No. 11;
Matches 102; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 36 TACAGAGCGGGAGCCCGACAGATGAGAGGCTCTCTGTGTACACAGCTGTGTGTGT 95
Db 10450 TTCGAGCGCACAGGCGGAGGATGCGGTCTGTGTGTGTGTGTGTGTGTGTGT 10509
QY 96 GCTGCTGTGGGAGGAGGTGTCAGTCCGACGCCAAGGTCCCTATCAAGATGCAAGTCAA 155
Db 10510 TCAGGAGCGGCGGAGCGAGCGGGATCAGCGCGCCGACAGCGGCCCAAGAGGTGT 10569
QY 156 AACTGCGCTTCAGAGCAGACCCAGAGAGGCGCTGGGGCGCCCGTGTGTGTGTGTGTGT 215
Db 10570 GCGCGGCGGCTGT 10629
QY 216 GGAGAGAGCAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 254
Db 10630 CGGTACGGGCGAGT 10668

Search completed: April 21, 2003, 13:26:01
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